



Sports Authority of India

*Finance Division
SAI Head Office
J N Stadium Complex (East Gate)
Lodi Road
New Delhi 110 003*

F. No. 6(28)/SAI/B&F/115th FC/2023-24

Date: 5th August 2023

Sub: 115th Meeting of Finance Committee of SAI

Kindly refer to this office communication of even number dated 4th August 2023 regarding 115th Meeting of Finance Committee of Sports Authority of India scheduled to be held on 8th August (Tuesday) at 4.00 p.m. under the Chairpersonship of Secretary (Sports), Ministry of Youth Affairs & Sports in the Chamber of Secretary (Sports), Ministry of Youth Affairs & Sports, Shastri Bhawan, New Delhi.

The agenda papers for the said meeting are enclosed.

Further, supplementary agenda, if any, will follow.

You are requested to kindly make it convenient to attend the meeting.

(Shailesh Rajan)

Executive Director (Finance) &
Member Secretary, Finance Committee

To,

- 1 Shri Sanjay Prasad, Additional Secretary (Expenditure), Ministry of Finance, North Block, New Delhi
- 2 Shri Sandip Pradhan, Director General, SAI
- 3 Shri Manoj Sethi, JS & FA, MYAS
- 4 Shri Kunal, Joint Secretary (Sports), MYAS, Shastri Bhawan, New Delhi
- 5 Shri Vishnu Kant Tiwari, Secretary, SAI
- 6 Col Raj Singh Bishnoi (Retd.), Sr. Executive Director (Academics), NSNIS, Patiala

Copy to: PPS to Secretary (Sports), Shastri Bhawan, New Delhi



भारतीय खेल प्राधिकरण
Sports Authority of India

115th Meeting of the Finance Committee

Agenda Papers

Date/ Time : 8th August 2023 (Tuesday) / 4.00 p.m.
Venue : Chamber of Secretary (Sports)
Shastri Bhawan
New Delhi

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Agenda Item No.1

Confirmation of the Minutes of the 114th Meeting of the Finance Committee of Sports Authority of India (SAI) held on June 23, 2023.

The Minutes of the 114th Meeting of Finance Committee of SAI were circulated vide Circular No. 6(28)/SAI/B&F/114th FC/2023-24 dated 23rd June 2023.

Since no comments have been received, thereafter, Finance Committee may kindly confirm the minutes.

Agenda Item No.2

Action Taken Report on the decisions taken in the 114th Meeting of the Finance Committee
of SAI
held on June 23, 2023.

Item No.	Item	Decision	Action Taken
3	Approval of Annual Accounts and Financial Statement of Sports Authority of India (SAI) for the financial year 2022-23	The proposal is concurred and recommended to be placed before the GB for approval. Some of the old pending issues in connection with Infra works done during CWG 2010 Games, amount due to Govt. and amount due from Govt. against earlier schemes etc. were discussed. The Finance Committee decided that these old pending issues need to be taken up separately in current Financial Year (2023-24) and if required, agenda in FC may be placed for deliberation and decision in the future.	The approval of Chairman Governing Body obtained on file. The other pending issues discussed are under scrutiny. Relevant documents are being positioned for detail deliberation and proposal for item wise settlement will be submitted in due course. The Certification audit of accounts by the CA firm has been done for 2022-23. The reply to SAR 2021-22 is already submitted

Agenda Item No.3

Extension of contract of M/s Grant Thornton Bharat LLP(PMU as Strategic Advisors for Sports Events Planning)

In view of various events held under the umbrella of Khelo India, it is important to strengthen the operations team of the Khelo India Events for smooth functioning and management of the games. To achieve the said goal, M/s Grant Thornton Bharat LLP was onboarded as a PMU (Strategic Advisors for Sports Events Planning) for a period of one year starting from 01.08.2022 at an overall cost of INR 1,51,51,200/- including GST. A total of 5 resources were deployed on site by the agency and the details of the same are tabulated below:

Sr. No	Position
1	Project Coordinator
2	Sports Events Expert
3	Consultant – IT
4	Consultant – Procurement
5	Consultant- Technical Conduct

The resources deployed by the agency were providing full time support in the various departments pertaining to the Khelo India Events as mentioned above. The major responsibilities undertaken by the PMU during the contract period included project management and providing technical and managerial solutions for sports events. PMU has supported in the aspects of planning and execution of events i.e., standardization, gap analysis, training of functional areas, preparation of budget & monitoring of nomination of participants for Khelo India Games, preparation of conceptual note and DPR of Khelo India Tribal Games, preparation of booklet on the past and future events under Khelo India Women's League.

Further, the validity of the said contract with M/s Grant Thornton LLP is expiring on 31.07.2023. However, as per clause 7.5 of the RFP, the engagement of the agency can be further extended for a period of one year and the clause is reproduced below for ready reference:

"The term of association shall be for 12 months from the date of execution of contract/agreement, or until completion of all contractual obligations as per RFP whichever is later. SAI reserves the right to renew/extend the contract in writing for a period of another year at the same price, terms and conditions in this tender".

Accordingly, a committee under the Chairpersonship of Deputy Director General, Khelo India has evaluated the proposal of extension of contract and reviewed the performance of M/s Grant Thornton Bharat LLP in the past one year. After due deliberation and discussions, the committee recommended for granting an extension of one year to M/s Grant Thornton Bharat LLP at the same price, terms and conditions of the existing contract. (Minutes of the Performance Evaluation Committee enclosed at Annexure A)

Accordingly, the overall contract value on extension will be INR 3,03,02,400/- including GST (INR 1,51,51,200/- for the first year plus INR 1,51,51,200/- for the second year proposed).

At the time of tendering, it was observed that the tender was a single resultant tender and as per the existing delegation of financial powers of SAI, the financial powers delegated to DG, SAI is up to Rs 2 crores in each case and hence the financial implication in the instant case is beyond the financial powers delegated to DG SAI.

In view of the foregoing, the proposal for extension of contract of M/s Grant Thornton Bharat LLP (PMU as Strategic Advisors for Sports Events Planning) for a period of one year starting from 01.08.2023 with financial implication of INR 1,51,51,200/- including GST is placed before the Finance Committee for concurrence.

Concurrence of the Finance Committee is solicited to extend the contract of M/s Grant Thornton Bharat LLP (PMU as Strategic Advisors for Sports Events Planning) for a period of one year starting from 01.08.2023 with financial implication of INR 1,51,51,200/- including GST.

SPORTS AUTHORITY OF INDIA
(KHELO INDIA DIVISION)

F. No. 01-23002(02)/8/2023-HO-Khelo India Division

Annexure - A
I-3

Date: 11.07.2023

Subject: Minutes of the Performance Evaluation Committee (PEC) Meeting in respect of the extension of the Project Management Unit (PMU) as Strategic Advisors for Sports Events Planning (M/s Grant Thornton Bharat LLP)

The meeting of the Performance Evaluation Committee (PEC) was held to evaluate the proposal of extension of contract of M/s Grant Thornton Bharat LLP (PMU) under the Chairpersonship of Ms. Ekta Vishnoi, Deputy Director General, SAI virtually on 07.07.2023 at 3:30 PM.

2. The following members were present:

- (i) Sh. Shailesh Rajan- Executive Director, Finance
- (ii) Ms. Amar Jyoti- Director, Khelo India Events
- (iii) Sh. K C Meena- Dy. Director, ES Division
- (iv) Sh. Sathishkumar S.- Dy. Director- Khelo India and IT

3. The Committee was provided with the key deliverables/scope of work stated in the Request for Proposal (RFP) through which the concerned agency was selected. (Letter of Intent (LoI) issued to the agency enclosed at Annexure I and Agreement between SAI and M/s Grant Thornton Bharat LLP enclosed at Annexure II)

4. Observations and Discussions:

i. The Committee was apprised that M/s Grant Thornton LLP was engaged as a PMU (Strategic Advisors for Sports Events Planning) for a period of one year starting from 01.08.2022 at an overall cost of INR 1,51,51,200/- including GST. A total of 5 resources were deployed on site by the agency and the details of the same are tabulated below:-

Sr. No	Position
1	Project Coordinator
2	Sports Events Expert
3	Consultant - IT
4	Consultant - Procurement
5	Consultant- Technical Conduct

ii. The Committee was apprised that the resources deployed by the agency was providing full time support in the various departments pertaining to the Khelo India Events as mentioned above. Further, the user division i.e Khelo India Events has informed to the committee that the performance of the agency has been satisfactory and up to expectations and the contract may be extended in line with terms and conditions of the RFP. (Satisfactory performance certificate enclosed at Annexure III)

iii. The Committee was apprised that the contract with M/s Grant Thornton LLP is expiring on 31.07.2023 and there is a provision of extension in the existing contract as reproduced below:

SSP
11/07/23

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Page 1 of 2

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SPORTS AUTHORITY OF INDIA
(KHELO INDIA DIVISION)

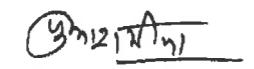
"The term of association shall be for 12 months from the date of execution of contract/agreement, or until completion of all contractual obligations as per RFP whichever is later. SAI reserves the right to renew/extend the contract in writing for a period of another year at the same price, terms and conditions in this tender".

5. Recommendation:

After due deliberation and discussions, the committee recommends for granting an extension of one year to M/s Grant Thornton Bharat LLP at the same price, terms and conditions of the existing contract.

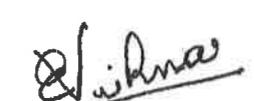
The meeting ended with a vote of thanks to the chair.


11/07/23
(Sathishkumar S.)
Dy. Director, Khelo
India and IT


(K C Meena)
Dy. Director (ES)

ENDORSED THROUGH
WHATSAPP
(Amar Jyoti)
Director (KI Events)


(Shailesh Rajan)
ED, Finance


(Ekta Vishnoi)
Deputy Director General (SAI)

As this contract is about deployment of skilled manpower,
no hike in labour minimum wages (w/capd) by Ministry
of Labour may be taken as a reference for
increasing trend of manpower cost. Besides this,
Inflation is also there to add in cost elements.
Hence it is beneficial to extend the contracts
as per contract provision.


11/07/23

Annexure 1



LETTER OF INTENT

Tender Reference No.: 01-23002(02)/S/2022-HO-Khelo India Division

Dated: 26.07.2022

To,
M/s Grant Thornton India LLP
21st Floor, DLF Square
Jacaranda Marg, DLF Phase II
Gurugram – 122 002 (India)

Sub: Letter of Intent- RFP for Selection of Strategic Advisors (for Sports Events Planning)

Dear Sir,

I am directed to inform you that after evaluating the bid documents submitted by you against above mentioned RFP, your offer has been accepted for the Scope of services as per Annexure 'I' | Terms of Reference of the RFP at price mentioned below:

S. No.	Resource Type	Qty.	Monthly Rate of per resource (inclusive of taxes and incidentals)	Monthly rate of all resources (All inclusive) (INR)	Yearly Rate of all resources (All inclusive) INR
1.	Consultant (3 or more years of relevant experience) • Project Coordinator • Sports Events Expert	2	2,77,300	5,54,600	66,55,200
2	Consultant (1 or more years of relevant experience) • Consultant – IT • Consultant Procurement • Consultant- Technical Conduct	3	2,36,000	7,08,000	84,96,000
5			Total (inclusive of taxes)	1,51,51,200	

The approved contract period for the above-mentioned services is for one (1) year with a total financial implication of ₹ 1,51,51,200.00 including GST. The project period will be calculated from placement of manpower after signing of contract.

H. J. P.



Ministry of Youth Affairs and Sports
Government of India



2. In this regard, you are required to submit the Performance Security for an amount equal to Rs. 4,54,536.00/- (Rupees Four Lakhs Fifty-Four Thousand Five Hundred and Thirty-Six Only) in favour of Secretary, SAI on or before 02.08.2022. The performance security should be valid for 60 days from the date of expiry of all contractual obligations. The performance guarantee shall be revalidated and replenished immediately upon invocation by SAI.

3. The formal detailed NOA (Notification of Award) / draft contract form will be issued after timely receipt of valid Performance Security deposit from your end.

Draft Format of Performance Bank Guarantee (If performance security is submitted as BG) is attached at Annexure XII of the RFP document for reference.

Yours truly,

26/07/22
(Harish Babu, P)
LO to DD (KI), Events



INDIA NON JUDICIAL

Annexure 2

Government of National Capital Territory of Delhi

सत्यमेव जयते

e-Stamp

Certificate No. : IN-DL16024726183029U
 Certificate Issued Date : 15-Nov-2022 05:00 PM
 Account Reference : IMPACC (IV)/ dl859003/ DELHI/ DL-DLH
 Unique Doc. Reference : SUBIN-DLDL85900308171830355682U
 Purchased by : GRANT THORNTON BHARAT LLP
 Description of Document : Article 5 General Agreement
 Property Description : Not Applicable
 Consideration Price (Rs.) : 0
 (Zero)
 First Party : GRANT THORNTON BHARAT LLP
 Second Party : Not Applicable
 Stamp Duty Paid By : GRANT THORNTON BHARAT LLP
 Stamp Duty Amount(Rs.) : 100
 (One Hundred only)



Please write or type below this line

AGREEMENT

This agreement is entered into on this 1st of August 2022 (hereinafter referred to as the "Effective Date").

BETWEEN:

Sports Authority of India (SAI), with its registered office at Jawaharlal Nehru Stadium Complex (East Gate) Lodhi road, New Delhi- 110003, (hereinafter referred to as the "Client").

AND

Grant Thornton Bharat LLP (formerly Grant Thornton India LLP), a limited liability partnership (with LLP Identity Number AAA-7677) and having its registered office and principal place of business at L-41, Connaught Circus, New Delhi, 110001, India (hereinafter referred to as 'the Firm' which expression shall mean and include its successors affiliates and permitted assigns).



सिवानन्द मिश्र / SIBANANDA MISHRA

उप निदेशक / Deputy Director

गोरीय सेल प्राधिकरण / Sports Authority of India

Jawaharlal Nehru Stadium Complex (East Gate)

लोहा रोड, नई दिल्ली-3 / Lodhi Road, New Delhi-3

(The Firm and the Client are hereinafter collectively referred to as "Parties" and individually as "Party".)

WHEREAS:

- A. The Firm is in the business of providing Professional Services.
- B. The Firm has agreed to provide the services as may be required by the Client mentioned in the Request for Proposal (RFP) dated 24.06.2022 issued by the Client along with its clarifications/annotations, referred herein after as a "RFP" and shall deemed to be part of this Agreement

. NOW THEREFORE, FOR VALUABLE CONSIDERATION, THE RECEIPT AND SUFFICIENCY OF WHICH IS HEREBY ACKNOWLEDGED, THE PARTIES AGREE AS FOLLOWS:

1. DEFINITIONS

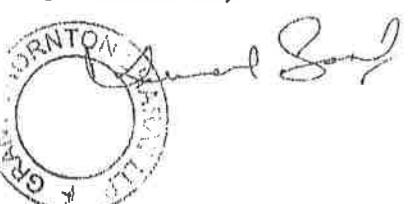
1.1 As used in this agreement, unless the context requires otherwise:

- I. the capitalized terms shall have the meaning ascribed to them in this Section and/or elsewhere in this agreement;
- II. the words expressed in the singular number shall include the plural and vice versa, and words expressed in the masculine shall include the feminine and neuter gender and vice versa;
- III. the words "Include," "Includes," and "Including" are deemed to be followed by "without limitation" whether or not they are in fact followed by such words or words of similar import;
- IV. any reference to natural persons includes legal persons and vice versa and in addition to references to a "person" shall be construed as including references to an individual, firm, company, corporation, partnership, association, unincorporated body of persons, trust, a State or any governmental authority or any other entity whether acting in an individual, financing or other capacity and to such person's permitted successors; and
- V. the titles and headings to Sections in this agreement or any Schedule are inserted for convenience of reference only and are not intended to be a part of or to affect the meaning or interpretation of this agreement or any Schedule.

1.2 "Affiliate" means, with respect to a Party, any person, partnership, joint venture, corporation or other form of enterprise, domestic or foreign, including but not limited to subsidiaries, directly or indirectly controlling, or is controlled by, or is under common control with the said Party and also those legal entities which are related parties of the concerned Party as defined by the Companies Act 2013.

1.3 "Agreement" means this agreement and RFP dated 24.06.2022, including any Schedules and attachments hereto together with the scope of services, issued and accepted hereunder, and any written agreement between the Parties which is supplementary to or in amendment in or confirmation of this agreement.

1.4 "Applicable Laws" means any (1) applicable law, statute, regulation, ordinance or subordinate legislation in force from time to time to which a Party is subject; (2) law as applicable to the Parties from time to time; (3) binding court order, judgment or decree; and (4) applicable directive, policy, rule or order that is binding on a Party and that is made or given by any government, an agency thereof, or any regulatory body of India or other central, state or local jurisdiction whose regulations are binding on either Party pursuant to a self-regulating mechanism approved by a governmental entity.



सिबानन्द मिश्रा / SIBANANDA MISHRA
एप डिवीज़र / Deputy Director
भारतीय खेल प्रशिक्षण / Sports Authority of India
जवाहरलाल नेहरू स्टेडियम परिसर (पूर्वी द्वार)
लोटी रोड, नई दिल्ली-3/Lodhi Road, New Delhi-3



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1.5 "Business Day" means the normal hours of business during those days of a calendar week wherein business is generally conducted within a country where the relevant parties are located, taking account of local custom and practice and specifically excluding local in-country public and/or bank holidays.

1.6 "Confidential Information" means information or materials proprietary to either Party; information that maybe designated from time to time as confidential by either Party; trade secrets of either Party; information imparted in confidence to either Party relating to business opportunities, business or technical know-how, including and not limited to inventions, processes, designs, drawings, software, services, development, business plans, marketing data, client lists, customer lists, supplier lists, personnel lists or source of finance; information acquired from either Party's clients, customers, suppliers or affiliates; information or material acquired from either Party that is related to business concepts and plans; any other information regarded by either Party as confidential information; and any other information as specified above which had been disclosed or agreed to be disclosed by either Party to the other prior to the date of this agreement.

"Confidential Information" shall where it relates to computer software, include but not limited to source codes, object codes, user manuals, programming manuals, modification manuals, flow charts, drawings, software listings, models, drafts and diagrams relating to the software.

1.7 "Data Protection Laws" means all applicable statutes, laws, secondary legislation, regulation, and common law duties pertaining to privacy, confidentiality, and/or protection of personal data and corporate data, including without limitation, Information Technology (reasonable security practices and procedures and sensitive personal data or information) Rules, 2011 (India), the Information Technology Act, 2000 and the Global Data Protection Regulations 2018.

1.8 "Intellectual Property Rights" means, on a worldwide basis, any and all,

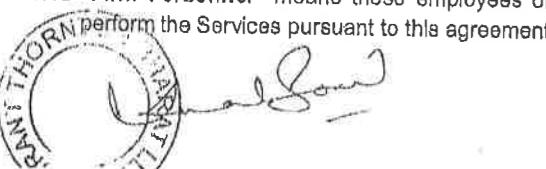
- i. rights associated with works of authorship and literary property, including copyrights, database and software rights, moral rights of an author of a copyrightable work and mask-work rights;
- ii. trademarks, service marks, logos, trade dress, trade names and the goodwill associated therewith;
- iii. rights relating to know-how or trade secrets, including ideas, concepts, methods, techniques, inventions (whether or not developed or reduced to practice) and other confidential or proprietary information;
- iv. patents, designs, algorithms and other industrial property rights, including any and all continuations, continuations-in-part, provisos, divisions, reissues, re-examinations or extensions thereof, and all related inventions, invention disclosures and technological developments; and
- v. other intellectual and industrial property rights of every kind and nature, however designated, whether arising by operation of law, contract, license or otherwise, whether or not filed, perfected registered or recorded.

1.9 Request for Proposal (RFP) shall mean RFP dated 24.06.2022 along with its clarifications/corrigenda issued by the Client time to time.

1.10 Services means the services that are required to be rendered by the Firm under this agreement as detailed in the Scope of Services in the RFP dated 24.06.2022.

1.11 Statement of Work/SOW" means those schedules, in the format as attached herewith as Schedule I and executed along with this agreement or at any later date, specifying the Services.

1.12 "Firm Personnel" means those employees of the Firm, approved sub-contractors and the Firm's Affiliates, who perform the Services pursuant to this agreement.



सिबानन्द मिश्रा / SIBANANDA MISHRA
उप निवेशक / Deputy Director
भारतीय खेल प्रशिकरण / Sports Authority of India
जवाहरलाल नेहरू स्टेडियम परिसर (पुर्ण छाप)
Jawaharlal Nehru Stadium Complex (East Gate)
लोहा रोड, नई दिल्ली-3 / Lodhi Road, New Delhi-3

1.13 "Taxes" means all Indirect taxes or duties whether imposed at the state or central government or other local authority and determined in accordance with the relevant governmental regulations in force during the tenure of the agreement, including but not limited to all Goods and Services Tax (GST), central sales tax, value added tax, service tax, excise, customs and/or similar taxes imposed, levied or assessed by any government authority, other than taxes in the nature of a tax on Income, capital or net worth.

2. FEES AND PAYMENT TERMS

2.1 In consideration of the services provided by the Firm, the Client agrees to pay the fees as specified and in accordance with the relevant statement of work that has been mutually agreed between the parties.

2.2 Invoicing and Payment terms

- I. The Firm's applicable fees are due for payment within thirty (30) days from the submission of the relevant invoice.
- II. As per RFP Clause 19.8 and 19.9; 19.8 Service Provider has to take all overhead costs into consideration while submitting the bid. 19.9 Any expenses that may be incurred during any official travel, SAI may reimburse the Bidder as per actuals or may directly facilitate the Travel, Boarding & Lodging.
- III. The Firm's fees are exclusive of taxes or similar charges and the Client shall be responsible for all taxes imposed on the services.
- IV. The Client undertakes to submit all the necessary information and documents, including GSTIN, site of work execution, billing location, certificate of Goods and Service Tax (GST) registration and such other documents that may be required by the Firm to adhere to statutory compliances as applicable under GST law. The Firm shall not be responsible for verification of GST registration number of the Client. Any tax liability arising consequent to non-compliance of law or due to furnishing of incorrect registration number shall be borne by the Client. In the event, if the Client fails to furnish GST registration number, the Client will be treated as "unregistered". The Client acknowledges and agrees that in the event of any enquiry, scrutiny, audit, assessment or any other tax proceedings are initiated against him in respect to this assignment, the Client shall fully support and co-operate with the Firm by furnishing the relevant information and documents, related to the service provided by him under this agreement.

3. SERVICES & STATEMENT OF WORK

3.1 The Firm agrees to provide the services and Deliverables (together, "Services") as described in the RFP dated 24.06.2022 and terms of this agreement.

The Firm may revise, amend, alter, modify, add, or extend the Services from time to time by through submission of an amended, revised or additional SOW. In case of any inconsistency or conflict between this agreement and the subsequent SOWs, the terms and conditions specified in the relevant SOW shall prevail.

4. REPRESENTATIONS & WARRANTIES

4.1 Except as otherwise set forth herein, the express and implied representations and warranties provided in this agreement comprises all of the representations and warranties made by either party with respect to the Services provided pursuant to or in relation to this agreement. Any further or other warranties or conditions, whether written or oral, express or implied, arising by law, statute, usage of trade, custom, course of dealing or performance, are expressly excluded to the extent permitted by law. Without limiting the foregoing, the Firm does not warrant that, to the extent the Services require third party computer software or networks or Services delivered using third party computer software; the provision of such Services will be entirely error free or will run uninterrupted.

4.2 Each Party represents and warrants to the other that: (i) it has the requisite legal and corporate power to execute and deliver this agreement; (ii) it has taken the corporate action necessary for the authorisation, execution and delivery of this agreement; (iii) no agreement or understanding with any other person, firm, corporation or other entity exists or will exist which would interfere with its obligations under this agreement; (iv) this agreement is a legal, valid and binding obligation of it, enforceable against it in accordance with the terms of this agreement; (v) there is no claim, litigation, proceeding, arbitration, investigation or material controversy (pending or otherwise) has been threatened or is

गार्हीय खेल प्रशिक्षण / Sports Authority of India
जवाहरलाल नेहरू स्टेडियम परिसर (पुरी हाथ)
Jawaharlal Nehru Stadium Complex (East Gate)
लोटी गेज नई दिल्ली-८ / Lodi Road, New Delhi-११००३६

contemplated which would have a material adverse effect on its ability to enter into the agreement or carry out its obligations thereunder; and (vi) it has obtained or will timely obtain, either directly or through the Member Firm or other third party, the licenses, certifications, authorisations, approvals, consents or permits required to perform its obligations under this agreement under applicable law and the rules and regulations of the authorities having jurisdiction over the Services and the Parties.

- 4.3 The Firm represents and warrants that all Services will be provided in a professional and workmanlike manner, will be efficiently performed, and will be of professional quality conforming to generally accepted industry standards and the applicable Statement of Work.
- 4.4 The Firm further represents and warrants that, unless otherwise specified in a SOW, the Deliverables from any Services will be an original work, except to the extent third party components are provided by the Client. The Firm will not infringe the copyrights, patents, trade secrets or other intellectual property rights of any third party in the process of rendering Services. The Firm warrants that it has neither violated nor will violate any consulting, employment, non-competition, proprietary information, confidentiality or other agreement, arrangement, understanding with any third-party individual or entity.

5. TERM & TERMINATION

5.1 Term

- I. This agreement shall come in effect from the date of Letter of Intent presented to the Firm and shall continue for a period of One (01) year from the date of Letter of Intent.

5.2 Termination without cause

May be governed by Termination clauses as in the RFP dated 24.06.2022

5.3 Termination with cause

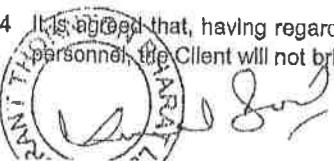
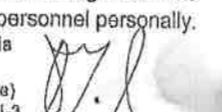
May be governed by Termination clauses as in the RFP dated 24.06.2022

5.4 Consequences of Termination

May be governed by Termination clauses as in the RFP dated 24.06.2022.

6. LIMITATION OF LIABILITY

- 6.1 To the fullest extent permitted by law, and notwithstanding any other provision of this agreement, the total liability, in the aggregate, of the Firm and its officers, directors, partners, personnel, employees, consultants and any of them, to the Client and anyone claiming by or through the Client, for any and all claims, losses, costs or damages, including attorneys' fees and costs and expert-witness fees and costs of any nature whatsoever or claims expenses resulting from or in any way related to the agreement from any cause or causes shall not exceed the total contract value as mentioned in Letter of Intent..
- 6.2 For the purposes of this engagement "damage" shall mean the aggregate of all losses or damages and costs suffered or incurred, directly or indirectly, by the Client under or in connection with the engagement or its subject matter (as the same may be amended or varied) and any report prepared pursuant to it, including as a result of breach of contract, breach of statutory duty, tort (including negligence), or other act or omission by the Firm but excluding any such losses, damages or costs arising from the fraud or dishonesty of the Firm or in respect of liabilities which cannot lawfully be limited or excluded.
- 6.3 The above liability limit will not apply to any losses, damages or costs arising from the fraud, dishonesty or gross negligence of the Firm or in respect of liabilities which cannot lawfully be limited or excluded.

- 6.4 It is agreed that, having regard to the Firm's interest in limiting the personal liability and exposure to litigation of its personnel, the Client will not bring any claim in respect of any damage arising against any of the Firm's personnel personally.

भारतीय स्पॉर्ट्स एथलेटिक्स स्टेडियम परिसर (पूर्वी द्वार)
Jawaharlal Nehru Stadium Complex (East Gate)
लाली रोड, नई दिल्ली-3/Lodhi Road, New Delhi-3

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6.5 Subject always to the aggregate limit of liability specified above, the liability of the Firm to the Client in connection with any report or communication relating to this engagement and/or prepared pursuant to it shall be limited to the proportion of the total damage, which may justly and equitably be attributed to the Firm, after taking into account contributory negligence (if any) of the Client.

7. CONFIDENTIALITY

7.1 The Firm shall not disclose any confidential information which it obtains as a result of acting for the Client to any third party other than its affiliates, directors, partners, officers, employees, personnel, agents, experts, consultants or advisors on a "need to know" basis and who are bound by appropriate confidentiality and non-disclosure obligations.

7.2 In the event that the Firm or its representatives are requested pursuant to, or required by, applicable law or regulation or by legal or administrative process to disclose any Confidential Information, or where the Firm wishes to disclose to its professional indemnity insurers or to its advisers, the Firm agrees that it will, as far as is legally and practically possible, provide the Client Group with prompt notice of such request or requirement in order to enable the Client to seek an appropriate protective order or other remedy. In the event that such protective order or other remedy is not obtained, the Firm or its representatives, as the case may be, shall disclose only the portion of the Confidential Information which is legally or professionally required to be disclosed.

7.3 The Firm shall be permitted to retain copies of such Confidential Information as maybe required for legal or professional regulatory purposes. The Firm's confidentiality obligations shall continue indefinitely whilst such confidential information is retained.

8. INDEMNIFICATION

8.1 The Client shall indemnify and hold harmless the Firm against all claims by third parties (contractual or in tort), threatened claims, suits, taxes, penalties, liabilities, damages, costs and expenses, suffered, incurred, arising or expended ("Claims"), directly or indirectly by reason of the Firm's performance under this agreement or from having been performed any services to the Client under relevant SOWs except in the event of fraud, gross negligence or wilful misconduct on the part of the Firm. However, the Client shall not be liable for any special, consequential, or incidental damages (including but not limited to damages for loss of goodwill and the like) arising out of this Engagement.

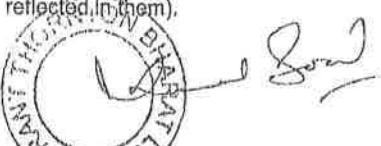
8.2 The Firm agrees to indemnify, defend and hold the Client, its officers, directors, employees and agents harmless from and against any and all liabilities, damages, losses, expenses, claims, demands, suits, fines or judgments, including their reasonable attorney's fees, costs and expenses incidental thereto, which may be suffered by, accrued against, charged to or recoverable from said persons by reason of:

- i. bodily injuries; or
- ii. loss, claim, damage or physical destruction of property; caused by any gross negligent act or omission or
- iii. third party claims arising out of or in connection with any gross negligent act, error or omission, except in the event of fraud, gross negligence, or wilful misconduct on the part of the Client.

The Indemnity obligations as set out above shall survive the termination or rescission for any reason of the contractual relationship between the Firm and the Client until the expiry of the relevant statute of limitation applicable to any claims.

9. INTELLECTUAL PROPERTY

The Firm may use data, software, designs, utilities, tools, models, systems and other methodologies and know-how ("Materials") that the Firm owns or has the right to use in performing the services. Notwithstanding the delivery of any reports, the Firm retains all intellectual property rights in the Materials (including any improvements or knowledge developed while performing the services), and in any working papers compiled in connection with the services (but not Client Data reflected in them).



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उप नियेशक / Deputy Director
राष्ट्रीय खेल प्रशिक्षण / Sports Authority of India
जवाहरलाल नेहरू स्टेडियम परिसर (पूर्व द्वारा)
लोटी रोड, नई दिल्ली-3 / Lodhi Road, New Delhi-3

10. NON-SOLICITATION

Each party undertakes during the effective term of this engagement and for a period of 1 (one) year thereafter, not to solicit, hire or employ directly or indirectly any partner, director, personnel or employee of the other party who has had any involvement in the engagement except with the prior written consent of the other party. If such consent is given, a fee of 15% of the individual's annual total compensation (cost to company) shall be payable to the other party subject to discussion and approval at the relevant point of time.

Notwithstanding the foregoing, nothing shall prohibit the parties from offering employment to persons who respond to a general solicitation or advertisement.

11. DATA PROTECTION (As applicable)

To enable the Firm to discharge the services agreed in this agreement and to comply with related legal and regulatory obligations and for other related purposes including updating and enhancing client records and analysis for management purposes, as a data controller and processor, the Firm may obtain, use, process and disclose personal data about the Client's business, its shareholders, / members / officers and personnel as described in our privacy notice. The Firm confirms when processing/controlling data on the Client's behalf that the Firm will comply with applicable data protection legislation and regulation.

The Client is also an independent controller/processor responsible for complying with data protection legislation and regulation in respect of the personal data of the Client process and, accordingly where the Client discloses personal data to the Firm, the Client confirms that such disclosure is fair and lawful and otherwise does not contravene relevant requirements. Nothing within this agreement relieves the Client as a data controller/processor of the Client's direct responsibilities and liabilities under data protection legislation and regulation.

Data protection legislation and regulation places obligations on the Client as a data controller where the Firm acts as a data processor/controller to undertake the processing of personal data on the Client's behalf. In particular, the Firm confirms that the Firm has adequate data protection and security measures in place and that the Firm will comply with any obligations equivalent to those placed on the Client as a data controller/processors.

Our privacy notice as set out in our website explains how the Firm processes personal data in respect of the various services that the Firm provides. (www.granthornton.in)

12. MISCELLANEOUS PROVISIONS

12.1 Order of Precedence: The following documents along with all addenda issued thereto shall be deemed to form and be read and construed as integral part of this Agreement and in case of any contradiction between or among them the priority in which a document would prevail over another would be as laid down below beginning from the highest priority to the lowest priority:

- A) RFP dated 24.06.2022 along with annexures.
- B) This Agreement;
- C) Letter of Intent

12.2 Relationship of parties: The Firm acknowledges that (a) it is an independent contractor; and (b) nothing in this agreement shall be construed to create an employer-employee, partnership, joint venture, agency or other relationship between the Firm and the Client or any Personnel. The Firm acknowledges that its personnel will not be working under the direction or control of the Client except as may be required by Applicable Laws. Neither Party will act as agent for the other and neither shall have the authority to bind or make any representations on behalf of the other.

12.3 Independence: The Firm undertakes to comply with the relevant independence guidelines dictated by applicable national and international regulators at all times. In order to allow the Firm to comply with the relevant independence guidelines, the Client undertakes to inform the Firm timely, correctly and completely of the legal and control structure



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उप नियंत्रक / Deputy Director
भारतीय खेल प्राधिकरण / Sports Authority of India
जवाहरलाल नेहरू स्टेडियम परिसर (पूर्वी हार्ड)
Jawaharlal Nehru Stadium Complex (East Hard)
लोदी गांव, नई दिल्ली - 110020

of the Client's business or the group to which the Client belongs, all its financial and other interests and participations, as well as all its other alliances, financial or otherwise, in the broadest sense of the word.

12.4 Non Exclusivity: The Parties acknowledge that the Firm shall have the right to provide consulting or other professional services of any kind or nature whatsoever to any person or entity as the Firm in its sole discretion deems appropriate.

12.5 Modifications: Any modification of the services or addition to the services being specified in the SoW requires the prior written mutual consent of the Parties and must be included in the form of a written amendment.

12.6 Counterparts: Facsimile and electronic signatures and scanned, pdf emailed documents on this agreement and any SOW will have the same effect as originals, and this agreement and any Statements of Work may be executed in duplicates and counterparts, each of which will be effective as an original for all purposes.

12.7 Force Majeure: Neither party shall be liable for any failure or delay in performance of its obligations under this agreement if the same is caused by an event of force majeure, which is neither foreseeable or preventable and which is entirely outside the direct or indirect control of either party and includes any Act of God, natural disaster, war, acts of terror or civil disobedience.

12.8 Survival Limitations: Notwithstanding the expiration or termination of this agreement or any SOW, those rights and obligations which are stated to survive or which by their nature are intended to survive such expiration or termination will so survive.

12.9 Representatives / Notices: Unless otherwise agreed by the Parties, any communication between the Parties in respect of this agreement and its administration shall be in writing and shall be sent by mail, registered mail, electronic mail, facsimile or messenger service. The address for service on the Firm shall be L 41 Connaught Circus, New Delhi 110001 India marked Attention of: Mr. Arjun Singh, Director, Grant Thornton Bharat LLP and on the Client shall be Sports Authority of India marked Attention of: Shri Sibananda Mishra, Deputy Director, Sports Authority of India. A notice shall be deemed to have been served as follows:

- i. If personally delivered, at the time of delivery;
- ii. If delivered by courier at the time of receipt as recorded by the courier company

12.10 Anti-Corruption and Anti-Bribery: Each Party shall maintain in place throughout the term of this agreement, its own policies and procedures, including, but not limited to, adequate procedures to ensure compliance with applicable Anti-Corruption and Anti-Bribery Laws, and will enforce them as appropriate.

12.11 Waiver: The failure by either Party to enforce or to require the performance at any time or for any period of any one or more of the terms or conditions of this agreement shall not be construed to be a waiver of them or any part hereof or the right at any time subsequently to enforce all terms and conditions of this agreement.

12.12 Governing Laws: This agreement shall be construed according to the laws of India and the parties agree to submit before the jurisdiction of the Courts at Delhi.

13. ENTIRE AGREEMENT

This agreement (including any SoWs) constitutes the entire agreement between the parties and supersedes all previous understandings whether oral or written and may be amended or supplemented only in a written agreement signed by both Parties.

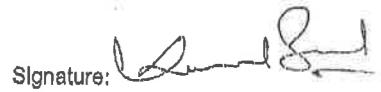


सिबनन्दा मिश्रा / SIBANANDA MISHRA
उप निदेशक / Deputy Director
भारतीय खेल प्रशिकरण / Sports Authority of India
जवाहरलाल नेहरू स्टेडियम परिसर (पूर्वी भाग)
लोदी रोड, नई दिल्ली-3/ Lodhi Road, New Delhi-3

A handwritten signature of Sibananda Mishra.

IN WITNESS WHEREOF, the Parties have each caused the agreement to be signed and delivered by its duly authorized representative on the effective date set forth above.

For GRANT THORNTON BHARAT LLP
(formerly Grant Thornton India LLP)

Signature: 

Name: Kunal Sood

Title: Partner

Date: 16/11/2022

Place: Delhi



For Sports Authority of India

Signature: 

Name: Sibananda Mishra

Title: Deputy Director

Date: 16/11/2022

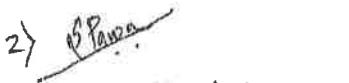
Place: Delhi

सिबानन्द मिश्रा/SIBANANDA MISHRA
उप निदेशक/Deputy Director
गरीबीय खेल प्राधिकरण/Sports Authority of India
जवाहरलाल नेहरू स्टेडियम परिसर (पूर्वी छार)
लोदी रोड, नई दिल्ली-3/Lodhi Road, New Delhi-3

Witnessed by:

1) 

AKASH MISHRA
Sports Event Expert
Consultant
16/11/2022

2) 
SIDDHESHWAR PAWAR
CONSULTANT
16/11/2022

1) 
Anil KANDPAL
MANAGER (AR, TOPS)
16/11/2022

2) 
Mohit Waswani
Manager (AR, TOPS)
16/11/2022
New Delhi

SCHEDULE-I

TERMS OF REFERENCE FOR CONSULTANCY SERVICES (TOR)

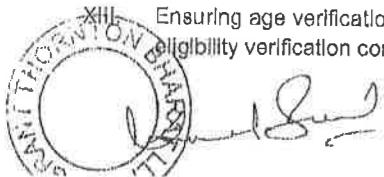
1. **General:** Sports Authority of India, (hereafter referred as "SAI") an autonomous organisation established by Ministry of Youth Affairs & Sports, Government of India invites Online Bids from Service Providers/Consulting Firms having sufficient experience and credentials to associate with SAI as Strategic Advisors (for Sports Events Planning)
2. **About SAI:** Sports Authority of India (SAI), under the aegis of Ministry of Sports & Youth Affairs has been entrusted with twin objectives of promoting sports and achieving sporting excellence at the National and International level. SAI has played a significant role in shaping India's sports development by providing training to elite athletes and at the same time operating a number of schemes for identification and development of young talent. Through its sports promotional schemes, SAI supports and nurtures talent amongst youth, and provides them with requisite infrastructure, equipment, coaching facilities, and competition exposure. SAI is also responsible for helping plan and execute leading sports events initiatives in the country such as Khelo India Games.

2.1. About Khelo India:

Khelo India aims at strengthening the entire sports ecosystem to promote national objectives of sports development, which includes playfield development; community coaching development; promotion of community sports; establishment of a strong sports competition structure at both school and university level as also for rural / Indigenous sports, sports for persons with disability and women sports; filling up of critical gaps in sports infrastructure, including creation of hubs of sports excellence in select universities; talent identification and development; support to sports academies; implementation of a national physical fitness drive for school children; and sports for peace and development. An integral part of the Khelo India Scheme is the Khelo India Youth Games and the Khelo India University Games. Both are the flagship sports events for helping develop the nation's elite athletes.

3. Scope of Service:

- I. To carry out the tasks related to planning of events under SAI, included but not limited to the Khelo India Games. The Consultancy shall assist SAI with the following:
- II. Overall responsibility of implementation of project in most efficient manner
- III. Oversee the project implementation by coordinating with all stakeholders
- IV. Managing stakeholder expectations and ensuring their active participation in project implementation
- V. Provide regular report on Khelo India Games
- VI. Interacting with SAI FA Heads and working on deliverables as per requirement.
- VII. Oversee the function, management, planning, execution, verification & reporting of operations falling under the scope of the Event Management agency.
- VIII. Responsible for drafting detailed Scope of Work related to various Functional Areas (FA) for smooth conduct of various events held under Khelo India Scheme.
- IX. Coordination with and collation of information from each Functional Area head for inputs into the corresponding FA for the RFP.
- X. To work as Sports Specific Coordinators and coordinate with stakeholders such as participating NSF, SGFI, CBSE, AIU etc.
- XI. Ensuring nomination of Athletes from NSFs, SGFI, AIU, CBSE as per nomination criteria.
- XII. Ensuring timely entries from all States.
- XIII. Ensuring age verification and other documents are uploaded and are available for verification & assist eligibility verification committee.



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उप नियंत्रक / Deputy Director
भारतीय खेल प्राधिकरण / Sports Authority of India
जवाहरलाल नेहरू स्टेडियम गेरिसर (पूर्वी द्वार)
Jawaharlal Nehru Stadium Complex (East Gate)
सामौ नगर, जल्दी रोड, नई दिल्ली - 110009, भारत



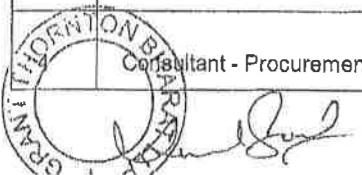
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- XIV. Ensuring that athlete changing room and other athlete related spaces are made available for participating athlete.
- XV. Ensuring timely start and conclusion of the event.
- XVI. Ensuring Time and Scoring Results equipment is available as per requirement.
- XVII. Ensuring sports equipment and sports apparel are in place for athletes.
- XVIII. Proper platform for athletes to appeal and address their concerns.
- XIX. Allocation of proper FOP for all the events.
- XX. Ensuring medical requirements are in place before start of the games.
- XXI. Collating inputs from the market & historical data to calculate an estimate for execution of operations for event.
- XXII. Oversee the function, management, planning, execution, verification & reporting of the project.
- XXIII. Operations falling under the scope of the Event Management agency.
- XXIV. Ensuring timely delivery and closure of the events.
- XXV. Responsible for creation and maintenance of Legacy of various events held under the umbrella of Khelo India Scheme in terms of Post event reports, Collation of data and information, compilation of documentaries etc.
- XXVI. Closure of Games, verification of operations with proof & Reporting in relation to Games.
- XXVII. Support in drafting and/or review contracts and agreements and monitor legal obligations under agreements to ensure compliance.
- XXVIII. Overseeing Post-games operations including repository management & payments to the vendors for the Games.
- XXIX. Perform consulting services for management through participation in projects designed to introduce new and/or changing processes, products or facilities.
- XXX. Provide value added recommendation to mitigate both project and end state risks
- XXXI. Any other work assigned by the reporting authority.
- XXXII. Any other work required for smooth successful conduct of the Games.

4. Constitution of the Team/ Minimum Required Manpower Deployment

- 1.1 The project would essentially require a definitive team consisting of Program Director, Project lead and Consultants. An illustrative minimum team deployment for the various requirements is as below:
- 1.2 Following Team members will be the part of strategic consultancy and will be deployed for full-time onsite support:

S.No	Position	Minimum Experience required	Minimum Educational Qualification
1	Project Coordinator	3 or more years of relevant experience	MBA/ Post Graduate qualification
2	Sports Events Expert	3 or more years of relevant experience	MBA/ Post Graduate qualification
3	Consultant – IT	1 or more years of relevant experience	MBA/ Post Graduate qualification/B.Tech
	Consultant - Procurement	1 or more years of relevant experience भारतीय खेल प्रशिकरण / SIBANANDA MISHRA जवाहरलाल नेहरू स्टेडियम परिसर (पूर्वी द्वारा) भारतीय खेल प्रशिकरण / Jawaharlal Nehru Stadium Complex (East Gate) सोनी गोड़ जन्म स्थान / Godrej Road, New Delhi-110002	MBA/ Post Graduate qualification/B.Tech


भारतीय खेल प्रशिकरण / Sports Authority of India
जवाहरलाल नेहरू स्टेडियम परिसर (पूर्वी द्वारा)
Jawaharlal Nehru Stadium Complex (East Gate)
सोनी गोड़ जन्म स्थान / Godrej Road, New Delhi-110002

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5	Consultant- Technical Conduct	1 or more years of relevant experience	MBA/ Post Graduate qualification/B.Tech
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- All resources are required to be available onsite during deployment period and are to be exclusively assigned/deployed for the project.
- The proposed Project Coordinator and Sports Event Expert must be on the payrolls of the bidder for a minimum of 1 month prior to Proposal Due Date. A certificate from the authorized representative / HR of the bidder must be provided to substantiate the same.
- The roles of the resources mentioned above are indicative in nature and there shall be flexibility to meet the requirements.
- SAI reserves the right to hire additional manpower up to a maximum of 8 total resources based on the man-month rate, subject to a maximum of an additional 25% of the total cost of the tender.
- SAI reserves the right to reduce the no. of resources depending on the actual requirement during the contract period based on the man-month rate.
- While considering MBA/PG for educational qualification, any executive/distant/regular degree may be considered subject to the course duration being a minimum of 10 months.
- SAI reserves the right to interview, screen and select the candidates.

5. Location

The Services shall be delivered from the Sports Authority of India office, situated Jawaharlal Nehru Stadium Complex (East Gate) Lodhi Road, New Delhi- 110003.

6. Commencement Date and Term

Provision of services under this SOW shall commence on 01st August 2022 and continue until 31st July 2023. Any extension beyond the mentioned time period will be based on mutually agreed upon terms and conditions

7. Fees

The fees for this SOW shall be INR 1,51,51,200 inclusive of taxes and shall be invoiced as follows:

Sl.	Position	Number	Man months	Man-month rate (In INR)	Total Amount (INR)
1	Project Coordinator	01	12	2,77,300	33,27,600
2	Sports Events Expert	01	12	2,77,300	33,27,600
3	Consultant-IT	01	12	2,36,000	28,32,000
4	Consultant- Procurement	01	12	2,36,000	28,32,000
5	Consultant- Technical Conduct	01	12	2,36,000	28,32,000
Total					1,51,51,200

Fees will be paid against submission of Monthly Progress Reports to be submitted by the Agency. The Monthly progress report must provide details of all activities undertaken, meetings held, and deliverables/ documents shared with the Client by the Agency.

8. Designated Contacts

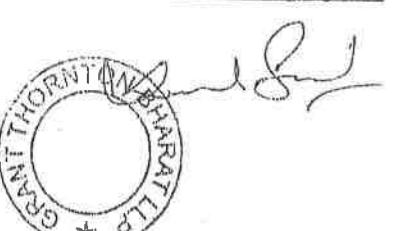
Names and contact details

Name : Kunal Sood

Designation : Partner

Ph : +91-9971199600

Email: Kunal.Sood@in.gt.com



रिबानन्दा मिश्रा / SIBANANDA MISHRA
उप निदेशक / Deputy Director
भारतीय खेल प्रशिकरण / Sports Authority of India
जawahरलाल नेहरू स्टेडियम परिसर (पूर्वी द्वारा)
Jawaharlal Nehru Stadium Complex (East Gate)
लोढ़ी रोड, नई दिल्ली-3 / Lodhi Road, New Delhi-3

Names and contact details

Name: Arjun Singh
 Designation: Director
 Ph: +91-9871598991
 Email: Arjun.Singh@in.gt.com

9. Manpower Deployment

Sl.	Position	Number	Education and Experience
1	Project Coordinator	01	MBA / Post graduation qualification with minimum of 3 years of relevant experience
2	Sports Events Expert	01	MBA / Post graduation qualification with minimum of 3 years of relevant experience
3	Consultant-IT	01	MBA / Post graduation qualification/ B.Tech with minimum of 1 year of experience
4	Consultant-Procurement	01	MBA / Post graduation qualification/ B.Tech with minimum of 1 year of experience
5	Consultant-Technical Conduct	01	MBA / Post graduation qualification/ B.Tech with minimum of 1 year of experience

- The manpower is to be deployed at project location within 10 days of issuance of work order
- In case of additional manpower requirement by the client, the Agency is required to deploy manpower matching the above-mentioned qualification and experience criteria.

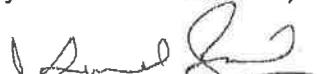
10. All provisions of the agreement shall remain applicable unless modified or changed in this SOW.

11. In the event of inconsistency or conflict between this SOW and the agreement, the terms and conditions specified in this SOW shall prevail.

In witness whereof, the Parties have executed this Statement of Work as of the date set forth below, to be effective as of the date set forth above.

Grant Thornton Bharat LLP

(formerly Grant Thornton India LLP)

By: 
 Name: Kunal Soad
 Title: Partner
 Date: 16/11/2022



The Client

सिबानन्द मिश्रा / SIBANANDA MISHRA
 उप नियेशक / Deputy Director
 भारतीय खेल प्रशिक्षण / Sports Authority of India
 जगदलबलाल नेहरू स्टेडियम परिसर (पुर्णी द्वारा)
 Jawaharlal Nehru Stadium Complex (East Gate)
 लोहा शहर, दिल्ली-3 / Lodhi Road, New Delhi-3

By: 
 Name: Sibananda Mishra
 Title: Deputy Director, KI
 Date: 16/11/2022



Date: 11th July 2023

To Whom It May Concern

Subject: Satisfactory performance certificate of M/s Grant Thornton Bharat LLP.

M/s Grant Thornton Bharat LLP was engaged as a Project Management Unit (PMU) as Strategic Advisor for Sports Event Planning for a period of one (1) year, starting from 1st August 2022. During the contract period the agency was majorly responsible for the following tasks as also stated in the RFP through which the concerned agency was selected.

The responsibilities undertaken by the PMU during the contract period included project management, providing technical and managerial solutions for sports events. PMU has supported in the aspects of planning and execution of events i.e., standardization, gap analysis, training of functional areas, preparation of budget & monitoring of nomination of participants for Khelo India Games, preparation of conceptual note and DPR of Khelo India Tribal Games, preparation of booklet on the past and future events under Khelo India Women's League.

This is hereby certified that the performance of the agency was satisfactory and up to expectations against the scope of work as stated in the RFP.



Sibnaranda Mishra
DD, Khelo India

Agenda Item No.4

Rate Contract for Medical Insurance & Personal Accidental Policy for National Campers, Khelo India Athletes, NCOE Athletes, STC Athletes, and Support Staff

With the approval of the Governing Body in its 57th Meeting, Request For Proposal (RFP) for "Rate Contract for Medical Insurance and Personal Accidental Policy for National Campers, Khelo India athletes, NCOE athletes, STC athletes and support staff" was floated on CPPP Portal.

1. Upon opening the bid as per schedule, 2 nos. of bids, from the following bidders have been received:
 - a. M/s Cholamandalam MS General insurance Company Limited
 - b. M/s Universal Sompo General Insurance Co. Ltd.
2. After the detailed evaluation of the submitted bids by the constituted committee, both the bidders were found technically responsive (Copy of TBEC enclosed as Annexure-A). Subsequently, with the approval of competent authority, the price bids of the technically responsive bidders were opened and M/s Cholamandalam MS General insurance Company Limited emerged as the L1 Bidder. The price quoted by the bidder is summarised as below:

SI. No.	Name of the Bidder	Price Quoted by bidder per annum (INR) including GST	Rank
1	M/s Cholamandalam MS General Insurance Company Limited	8,63,93,700.00	L1
2	M/s Universal Sompo General Insurance Co. Ltd	9,69,35,702.00	L2

3. The price quoted by the L1 bidder is higher than (65.46%) the estimated cost of Rs. 5,22,15,000 (Rupees Five Crore Twenty-Two Lakhs Fifteen Thousand only), which was approved by the Governing Body in its 57th Meeting. Accordingly, the Price Bid evaluation committee has recommended to call the L1 bidder for negotiation (Copy of PBEC enclosed as Annexure-B).
4. Subsequently, with the approval of competent authority, the bidder was called for negotiation meeting and during the negotiation meeting, it was apprised by the representative from M/s Cholamandalam MS General Insurance Company Limited, that the matter would be taken up with the higher management of M/s. Cholamandalam MS General Insurance Company Ltd. and a response would be provided to SAI.
5. Subsequently, vide email dated 26.07.2023, M/s Cholamandalam MS General Insurance Company Limited has submitted their revised offer of **Rs. 8,48,00,700/-** including GST for 1 year for 15,000 nos. of individuals. Per individual rate is Rs. 5390.24 for medical insurance policy of Rs. 5 lakhs and Rs. 263.14 for Personal Accident Policy (Disability. /Death – Rs. 25 Lakhs). Copy enclosed as Annexure-I of PNC minutes.
6. Further, the high prices in the instant case may be due to the following reasons.
 - a) **Increase in number of claims against the previous contract:** As per the details submitted by M/s Cholamandalam MS GIC, it is observed that in the existing contract, which was for two years, approx. 1.6% of the total numbers of policy had raised claims in the first year, the same was increased by 55.51% to 2.49% of the total policy in the second year. In view of this trend, the estimated projections are detailed below:

Description (For Group Medical policy)	First year of Contract (June 2020-May 2021)	Second Year of Contract (June 2021-May 2022)	Projection for first year of new Contract	Projection for Second year of new Contract
No. of Lives Insured, (A)	12137	15770	15000	15000
No. of Claim accepted by Insurer, (B)	194	392	581	905
Number of Claim raised in % of total policy issued, (C)=(B/A)	1.60%	2.49%	3.87%	6.03%
Average Per policy claim paid by insurer for Group Medical Policy	2,696	3,391	4273	5384
Claim Amount Paid/Projected to be paid by Insurer for Group Medical Policy in INR	3,27,18,869	5,34,78,052	6,40,95,000	8,07,60,000
For Personal Accident Policy				
Number of Claims raised for Personal Accident Policy	0	1	2	2
Claim Amount Paid/Projected to be paid by Insurer for Personal Accident Policy in INR	0	2500000	5000000	5000000
Net Amount Paid/Projected to be paid by Insurer against the Claims in the Contract in INR	3,27,18,869	5,59,78,052	6,90,95,000	8,57,60,000
Total Amount quoted by the bidder excluding GST in INR	14,37,30,000			
Total Amount projected to be paid by the insurer against claims for 2 years excluding other administrative expense in INR	15,48,55,000			

- b) Increase in medical expenses during and after the pandemic,
- c) Awareness among the athletes for insurance as observed in the previous trend.
- d) Current market trend: the multiple quotations received earlier were also higher than the revised quote of M/s Cholamandalam MS General Insurance Company Limited and hence, it can be inferred that the rate is in line with the current market trends.
- e) Further, the committee also noted that existing tender was invited as open tender with sufficient time being given for submission of bid (38 days), against the bid, response from two bidders has been received and the rate quoted by the other bidder i.e., M/s Universal Sompo General Insurance Company Limited, is also in the same range.

Considering all these factors, the Price Negotiation Committee (PNC) considered the revised price of M/s Cholamandalam MS General Insurance Company Limited @ Rs. 8,48,00,700/- including GST (Rupees Eight Crore Forty-Eight Lakhs Seven Hundred only) for one year and Rs. 16,96,01,400/- including GST (Rupees Sixteen Crore Ninety-Six Lakhs One Thousand Four Hundred only) for two years, as reasonable. Copy of PNC minutes enclosed as Annexure-C.

Sl. No.	Description (Summary)	Total Price including GST *
1	Total rate quoted for 15000 nos. of policies each for Medical Insurance and Personal Accidental policy – for One year	Rs. 8,48,00,700/-
2	Total rate quoted for 15000 nos. of policies each for Medical Insurance and Personal Accidental policy – for Two year	<u>Rs. 16,96,01,400/-</u>

*Since the given number of 15000 is the estimated number of individuals to be insured, the actual financial implication may vary based on the actual number of individual insured.

Further, as per the delegation of financial powers of SAI, for procurement of contract services, DG-SAI is empowered up to Rs. 5 Crs. in each case. Since, the instant case of **Rs. 8,48,00,700/- including GST for One (1) year and Rs. 16,96,01,400/- including GST for two (2) years** (i.e.) is beyond the delegated financial power of DG-SAI, the proposal is placed before the Finance Committee of SAI for concurrence.

Concurrence of Finance Committee is solicited to award the Rate Contract for Medical Insurance & Personal Accidental Policy for National Campers, Khelo India Athletes, NCOE Athletes, STC Athletes, and Support Staff to the L-1 bidder i.e., M/s Cholamandalam MS General insurance Company Ltd. at a total estimated budget of Rs. 16,96,01,400 (Rupees Sixteen Crore ninety-six lakhs one thousand and four hundred only) for a period of Two years.

SPORTS AUTHORITY OF
INDIA
(ES Division)

Annexure - A
I-4

Subject: Technical Bid Evaluation Minutes for Rate Contract for Medical Insurance and Personal Accidental Policy for National Campers, Khelo India athletes, NCOE athletes, STC athletes and support staff

IFB No: 3(1)/SAI/ES/MISC./2023

Tendering: Open Tender

This minutes pertains to the Technical Bid Evaluation of the submitted bids against Rate Contract for Medical Insurance and Personal Accidental Policy for National Campers, Khelo India athletes, NCOE athletes, STC athletes and support staff vide Tender ID: 3(1)/SAI/ES/MISC./2023.

The Technical Bid Evaluation Committee consisting the following members met on 21.07.2023 for the technical evaluation, for the bid opened against 3(1)/SAI/ES/MISC./2023:

1. Sh. Sanjay Saraswat, Sr. ED/DDG, SAI - Chairman
2. Sh. Matadin Asiwal, Director (Finance)- Member
3. Sh. Vishnubhatla Sharma, AD (ES) - Member (in place of Sh. K.C. Meena, DD(ES) (on leave)).

2. TENDER STATUS AND BID RESPONSE

2.1 Upon opening the bid as per schedule, 2 nos. of blds from the following bidders have been received:

- A. M/s Cholamandalam MS General Insurance Company Limited
- B. M/s Universal Sompo General Insurance Co. Ltd

3. CLARIFICATIONS AFTER BID OPENING

3.1 No clarification except those indicated by the technical committee including some historical documents like past performance, completion certificates, claim settlement ratio, list of cashless hospitals etc. so as to enable wider participation and competition were called for.

4. EVALUATION OF BIDS

4.1 The committee was apprised that the evaluation of bids has been carried out as per the qualification criteria indicated in Section III (A) of tender document. The detailed evaluation against the criteria at clause a and b of Section III (A) of tender document is placed at Annexure-I and the same is summarised as below

S. No.	Name of the Bidder (M/s)	Compliance to Eligibility Criteria	Reason for Non-Compliance
1	M/s Cholamandalam MS General insurance Company Limited	Complied	NA
2	M/s Universal Sompo General Insurance Co. Ltd	Complied	NA

4.2 Further, as per clause c, Section III (A) of tender document, The technical Bid of each Bidder complying to the Minimum Eligibility Criteria shall be further evaluated In accordance with the evaluation criteria as given under Section III (A) and each bidder will be given a score out of maximum 100 marks. The detailed evaluation sheet is placed at Annexure-II and the same is summarised as below:

S. No.	Name of the Bidder (M/s)	Technical Score (Maximum Marks:100)	Status
1	M/s Cholamandalam MS General insurance Company Limited	67	Responsive
2	M/s Universal Sompo General Insurance Co. Ltd	67	Responsive

4.3 As per clause c, Section III(A) of tender: "A Bidder must get a minimum of 60 marks (out of 100 marks) in the Technical Evaluation to proceed to be declared as Technically Responsive and to be considered for opening of Financial bid. Accordingly, as the technical score of both the bidders i.e., M/s Cholamandalam MS General insurance Company Limited and M/s Universal Sompo General Insurance Co. Ltd., are more than the minimum qualification mark (60), the bids submitted by both the bidders are technically responsive and their financial bids may be opened.

V. Sharma
21/07/23
(Vishnubhatla Sharma)
AD (ES)

Asiwal
24/07/23
(Matadin Asiwal)
Director (Finance)

Saraswat
(Sanjay Saraswat)
Sr. ED/DDG (SAI)

5. RECOMMENDATIONS

In view of the deliberation above, the committee recommends to open the price bids of following bidders:

- A. M/s Cholamandalam MS General Insurance Company Limited
- B. M/s Universal Sompo General Insurance Co. Ltd

The Committee Members also declare that none of the members have any conflict of interest with any of the bidder in this tender

V.Sharma
26/07/23
(Vishnubhatla Sharma)
AD (ES)

J.Asiwal
24/07/23
(Matadin Asiwal)
Director (Finance)

S.Saraswat
(Sanjay Saraswat)
Sr. ED/DDG (SAI)

Comparative Sheet - Eligibility Criteria

S. No. as per Tender	Minimum Eligibility Criteria		
III(A), a	The Bidder must be an Insurance Company; Brokers/Agents are not eligible to bid in this tender.	Cholamandalam MS General Insurance Company Limited Insurance Company Submitted (Bid Submission Form - Page 56) (Power of Attorney - Page 1)	Universal Sompo General Insurance Co. Ltd Insurance Company Submitted (Bid Submission Form - Page 94-100) (Power of Attorney - Page 94-100)
III(A), b: 2	Bid Submission Form as per Section IV (A) along with Form for Power of Attorney/Board Resolution as per Section IV (B).		
III(A), b: 3	The Insurance Company should be registered under the Companies Act, 1956 or 2013 and subsequent amendments thereto, and with Insurance Regulatory and Development Authority of India (IRDAI). Documents : Enclose copy of the Incorporation Certificate, Registration Certificate and license as documentary evidence as a provider of Insurance Related Services	Submitted (Certificate of Incorporation Page 68, Registered on 02.11.2001 as Cholamandalam General Insurance Company limited, Name change to Cholamandalam MS General Insurance Company limited on 08.05.2003, Page 67) (Submitted payment receipt towards Payment of annual fee for FY 2023-24 to IRDAI - Page 102 and registration with IRDAI - Page 101)	Submitted (Certificate of Incorporation Page 108, Registered on 05.01.2007) (Submitted payment receipt towards Payment of annual fee for FY 2023-24 to IRDAI - Page 108, Registered on 05.01.2007) (Submitted payment receipt towards Payment of annual fee for FY 2023-24 to IRDAI - Page 108)
III(A), b: 4	The Insurance Company should possess Three (03) years' Experience in India in providing Medical Insurance and Accidental Coverage Documents : Enclose documentary evidence of 3 years' experience in India in Medical and Accidental providing Insurance Cover to reputed firms/government	Submitted (Submitted payment receipt towards payment of annual fee for FY 2023-24 to IRDAI - Page 69-74)	Submitted (Submitted work order Copy -Page 111-113)
III(A), b: 5	Insurance Agency should have annually covered/insured at least 7500 persons/policies (Medical Insurance and Accidental Coverage) during In each of the last three (03) financial years ending March 2023 Documents: proof of experience like work order and/or Policy documents along with satisfactory certificate from client should be furnished	Submitted (FY 20-21: Accidental death Benefit Policy for Shree Rajkot District Cooperative Bank for 13922 nos.-Page 423-424) (FY 21-22: Accidental and health Insurance Policy for M/s ACC Limited for 13709 nos.-Page 415-416) (FY 22-23: Accidental and health Insurance Policy for Sports Authority of India for 5770 nos.-Page 296-297)	Submitted (FY -2020-21: Group Personal Accidental Policy for Bundi Technology for 171336 nos.-Page 112) (FY 2021-22: Group Health Insurance Policy for M/s Jain International organisation for 14360 nos.-Page 115-118) (FY -2022-23: Group Personal Accidental Policy for M/s Indian Overseas bank for 1173194 nos.-Page 126-130)
III(A), b: 6	Bidder should have an Average Annual Turnover of Rs. 5.22 Crore in the last 3 audited Financial Years ending March-2023. [In case audited balance sheet is not available for the FY 2022-23, then the balance sheet for FY 2019-20 shall be accepted]	Submitted, Average Annual turnover of Rs. 666.4 crs (Profit loss statements and Balance Sheet for FY 2020-21/21-22 and 22-23, page 133-137)	Submitted, Average Annual turnover of Rs. 1993.99 crs (Profit loss statements and Balance Sheet for FY 2020/21-21/22 and 22-23, page 133-137)
III(A), b: 7	The Insurance Company should have valid PAN, and GST Registration Certificate.	Submitted (PAN - Page 76) (GST-Page 76-77)	Submitted (PAN - Page 197) (GST-Page 196)
III(A), b: 8	The Bidders should have its registered office or Branch Offices in NCR Delhi (if any), other premises, Administration facilities and marketing organisations which are necessary for the efficient and effective performance of its obligations under the contract.	Submitted on Company letterhead for Office in Noida (Page 53),	Submitted on Company letterhead for Office in Noida (Page 198)
III(A), b: 9	The license of the bidder should not stand suspended or cancelled by IRDAI as on the bid due date. The declarations/relevant documents should be submitted with the online bid.	Submitted (Page 274)	Submitted (Page 199)
III(A), b: 10	In the last three years, ending on March 2023 Document:- Statutory Auditors certificate certifying positive net worth and certificate that net worth of the Bidder firm should have not eroded by more than 30% (thirty percent) in the last three years, ending on March 2023. * Balance Sheet and Profit and Loss Account for the last three financial years	Submitted Annual Report of The Company (Page 309-408) Positive network on March -23 (Page 402) Networth not eroded by more than 30% (Page 402)	Submitted (Page 133-197) Positive network on March -23 (Page 133) Networth not eroded by more than 30% (Page 133, 154 and 175)
	Eligibility Criteria Evaluation Status	Responsive	Responsive

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Page 1 of 1

Comparative Sheet-Technical Evaluation Criteria

S. No. as per Tender	Evaluation Criteria	Maximum Marks	Cholamandalam MS General Insurance Company Limited	Universal Sompo General Insurance Co. Ltd
Years of Existence of Insurance Company	Overall existence in terms of no. of years since incorporation(firms) - Maximum 10 Marks			
III(A), c: 1	<ul style="list-style-type: none"> • More than 3 but less than or equal to 5 years - 3 Marks • More than 5 but less than or equal to 10 years - 5 Marks • More than 10 years- 10 Marks 	10	(21 years, Page 67-68)	10 (16 years, Page 106)
Average Annual Turnover in Last 03 Financial Years	An Average Annual Turnover in the last 3 audited Financial Years ending March-2023: <ul style="list-style-type: none"> • More than 5.22 cr. but less than or equal to 10 Crs. - 3 Marks • More than 10 Crs. but less than or equal to 20 Crs. - 5 Marks • More than 20 Crs. - 10 Marks 	10	(Average Annual turnover of Rs. 686.4 crs (Profit loss statements and Balance Sheet for FY 2020-21,21-22 and 22-23, page 82-88)	10 (Average Annual turnover of Rs. 1595.99 crs (Profit loss statements and Balance Sheet for FY 2020-21,21-22 and 22-23, page 133-197)
III(A), c: 2	Documents: Statutory Auditors certificate, • Balance Sheet and Profit and Loss Account for the last three financial years.	20	(FY 2022-23: 31573184, page 124 and 130; FY 2021-22: 30414360, Page 115,124; FY 2020-21: 171396, page 112)	
III(A), c: 3	Prior Experience in providing Group Medical Insurance / Group Accidental Coverage: <ul style="list-style-type: none"> • More than 7500 but less than or equal to 10,000 persons/policies in each of the last 03 Financial years under Group Medical Insurance / Group Accidental Coverage: • More than 10,000- but less than or equal to 10,000- 10 marks • More than 20,000- 20 marks 	20	(FY 2022-23: 3684956, page 64-65, 296; FY 2021-22: 1448277, Page 415-416 and 425-426; FY 2020-21: 198221, page 423-424)	
III(A), c: 4	Prior Experience in providing Group Medical Insurance /Group Accidental Coverage to Government Sector: <ul style="list-style-type: none"> • Association with Government Projects/PSUs/ Autonomous Bodies in last 03 Financial years where the minimum no. of persons/policies covered annually in each case is more than 1000; • More than 3 but less than or equal to 5 Clients/Projects: 3 marks • More than 5 but less than or equal to 10 Clients/Projects: 7 marks • More than 10 Clients/Projects: 10 Marks 	10	(6 nos. of Project, Page 64-65, Page 423-424, Page 236-237 and Page 425-426)	0 (only 3 nos. of Project with Government)
III(A), c: 5	Prior Experience in providing Group Medical Insurance / Group Accidental Coverage in Sports Sector/Domains: <ul style="list-style-type: none"> • Association with Government Projects in Sports Domain/ Federations/ Sporting Associations/ Eminent Sports Personalities etc. in last 03 Financial years: <ul style="list-style-type: none"> • 2 Clients/Projects: 3 marks • More than 2 but less than or equal to 5 Clients/Policies: 5 marks • More than 5 Clients/Policies: 10 Marks • Documents: •Proofma as per III(A) along with proof of experience like work order and/or Policy documents. 	10	(1 project with SAI)	0 (no project)
III(A), c: 6	Claim Settlement ratio: <ul style="list-style-type: none"> • Claim Settlement ratio of the insurance company as per recent IRDA (2019-20) release: • More than 80 but less than or equal to 85- 2 Marks • More than 85 but less than or equal to 90- 5 Marks • More than 90 but less than or equal to 95- 7 Marks • More than 95 but less than or equal to 95- 10 Marks • More than 95- 15 Marks • More than 95 - 20 Marks 	20	0	7 (As self declaration along with IRDAI Data, Page 200)
III(A), c: 7	Number of Network Hospitals Providing Cashless Facility : <ul style="list-style-type: none"> The number of Network hospitals in the country where the service Provider offers Cashless facility: • Less than 500 - 0 Marks • More than 500 but less than or equal to 500 - 5 Marks • More than 500 but less than or equal to 6000 - 10 Marks • More than 6000 but less than or equal to 6500 - 15 Marks • More than 6500 - 20 Marks 	20	(10,994 nos. of network hospital as per self declaration Page 280)	20 (more than 11000 network hospital as per self declaration Page 202)
	Self-Declaration regarding the number of Network Hospitals along with details of the Hospitals as a list or link regarding the same on company's official website.			
	Total Marks	100	67	67

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Anneasure - B

**SPORTS AUTHORITY OF INDIA
(ES Division)**

Subject: Price Bid Evaluation Minutes for Rate Contract for Medical Insurance and Personal Accidental Policy for National Campers, Khelo India athletes, NCOE athletes, STC athletes and support staff.

IFB No: 3(1)/SAI/ES/MIISC./2023

Tendering: Open Tender

This minutes pertains to the price bid evaluation of the technically responsive bids related to Rate Contract for Medical Insurance and Personal Accidental Policy for National Campers, Khelo India athletes, NCOE athletes, STC athletes and support staff floated vide Tender ID: 3(1)/SAI/ES/MISC./2023.

The constituted committee comprising of following members, for opening and evaluation of financial bid, has opened the financial bid on 24.07.2023

1. Sh. Sanjay Saraswat, Sr. ED/DDG, SAI - Chairman
2. Ms. Amar Jyoti, Director, KI Events (L/O to DD(ES))- Member
3. Sh. Matadin Asiwal, Director (Finance)- Member

1. Comparative cum Ranking Statement

The price bid of technically responsive bidders were opened on 24.07.2023 and the details of price of technically responsive bidders are enclosed as Annexure- I and the same is summarised as below with ranking:

SI. No.	Name of the Bidder	Price Quoted by bidder per annum (INR) including GST	Rank
1	M/s Cholamandalam MS General Insurance Company Limited	8,63,93,700.00	L1
2	M/s Universal Sompo General	9,69,35,702.00	L2

2. Committee Observation:

The price quoted by L1 bidder (M/s Cholamandalam MS General Insurance Company Limited) in the present tender is being compared with the estimated price, and the same is tabulated below:

S. No	Estimated Amount including GST in INR	L1 Quoted Amount including GST in INR	% Variation of L1 Price from estimated price
1	5,22,15,000	8,63,93,700	(+)65.46

From the above table, it was noted that price quoted by the L1 bidder is on higher side when compared against estimated price (65.46%). The item wise unit rate comparison under Medical Insurance Policy (Rs. 5 Lakhs) and Personal Accident Policy (Disability/Death - Rs.25Lakhs), for all Age Group (in Yrs.) are tabulated as below:

Name of the Bidder			Estimated price		Cholamandalam MS General Insurance Company Limited.		% Variation
			Yearly Premium		Yearly Premium		
Sl. No.	Item Description	Qty (No. of athletes)	Unit rate (Incl. of Tax)	Total Amount (Incl. of Tax)	Unit rate (Incl. of Tax)	Total Amount (Incl. of Tax)	Unit rate (Incl. of Tax)
Medical Insurance Policy – Rs. 5 Lakhs							
1.01	Up to 21	11550	₹ 3,304.00	₹ 381,61,200.00	₹ 5,496.44	₹ 634,83,882.00	66.36%
1.02	22-35	2800	₹ 3,304.00	₹ 92,51,200.00	₹ 5,496.44	₹ 153,90,032.00	66.36%
1.03	36-50	200	₹ 3,304.00	₹ 6,60,800.00	₹ 5,496.44	₹ 10,99,288.00	66.36%
1.04	51-55	150	₹ 3,304.00	₹ 4,95,600.00	₹ 5,496.44	₹ 8,24,466.00	66.36%
1.05	56-60	150	₹ 3,304.00	₹ 4,95,600.00	₹ 5,496.44	₹ 8,24,466.00	66.36%

[Signature] 32

1.06	61 and above	150	₹ 3,304.00	₹ 4,95,600.00	₹ 5,496.44	₹ 8,24,466.00	66.36%
Personal Accident Policy (Disability/ Death) – Rs.25 Lakhs.							
2	Age Group (In Yrs.)						
2.01	Up to 21	11550	₹ 177.00	₹ 20,44,350.00	₹ 263.14	₹ 30,39,267.00	48.67%
2.02	22-35	2800	₹ 177.00	₹ 4,95,600.00	₹ 263.14	₹ 7,36,792.00	48.67%
2.03	36-50	200	₹ 177.00	₹ 35,400.00	₹ 263.14	₹ 52,628.00	48.67%
2.04	51-55	150	₹ 177.00	₹ 26,550.00	₹ 263.14	₹ 39,471.00	48.67%
2.05	56-60	150	₹ 177.00	₹ 26,550.00	₹ 263.14	₹ 39,471.00	48.67%
2.06	61 and above	150	₹ 177.00	₹ 26,550.00	₹ 263.14	₹ 39,471.00	48.67%
Total Rate/ yearly premium quoted for tentative no. of policies in Section V-(A)		₹ 522,15,000.00		₹ 863,93,700.00		65.46%	

3. Recommendations:

Considering, price quoted by the L1 bidder is on higher side, the PBEC recommends for price negotiation with the L1 bidder i.e. M/s. Cholamandalam MS General Insurance Company Limited.

The Committee Members also declare that we have no conflict of interest with any of the bidder in this tender



(Matadin Asiwal)
Director (Finance)



(Amar Jyoti)
Director (KFI Events)



(Sanjay Saraswat)
Sr. ED/DDG (SAI)

Name of the Bidder/
Bidding Firm /
Company :
CHOLAMANDALAM MS GENERAL INSURANCE COMPANY LIMITED

This BOC template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and values only)

PRICE SCHEDULE

(DOMESTIC TENDERS - RATES ARE TO GIVEN IN RUPEES (INR) ONLY)
The relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and values only)

NUMBER #	TEXT #	TEXT #	NUMBER #	TEXT #	NUMBER #	Basic unit rate excluding GST To be entered by the Bidder In Rs. P	GST %	GST Amount	Unit rate (Incl. of Tax) Rs. P	TOTAL AMOUNT (Incl. of Tax) Rs. P	NUMBER #	NUMBER #	TEXT #
1	Sl. No.	Item Description	Item Code / Make	Quantity	Units								
1	2	Medical Insurance Policy - Rs. 5 Lakhs Age Group (in Yrs.)	3	4	5	6	7	8	9	10	11		
1.01	Up to 21	item1	11550.00	Nos	4658.00	18%	838.44	5496.44	63483882.00	INR Six Crore Thirty Four Lakh Eighty Three Thousand Eight Hundred & Eighty Two Only			
1.02	22-35	item2	2800.00	Nos	4658.00	18%	838.44	5496.44	15390032.00	INR One Crore Fifty Three Lakh Ninety Thousand & Thrity Two Only			
1.03	36-50	item3	200.00	Nos	4658.00	18%	838.44	5496.44	1099288.00	INR Ten Lakh Ninety Nine Thousand Two Hundred & Eighty Eight Only			
1.04	51-55	item4	150.00	Nos	4658.00	18%	838.44	5496.44	824466.00	INR Eight Lakh Twenty Four Thousand Four Hundred & Sixty Six Only			
1.05	56-60	item5	150.00	Nos	4658.00	18%	838.44	5496.44	824466.00	INR Eight Lakh Twenty Four Thousand Four Hundred & Sixty Six Only			
1.06	61 and above	item6	150.00	Nos	4658.00	18%	838.44	5496.44	824466.00	INR Eight Lakh Twenty Four Thousand Four Hundred & Sixty Six Only			
2	Personal Accident Policy (Disability/Death) Rs. 25 Lakhs Age Group (in Yrs.)	item7	11550.00	Nos	223.00	18%	40.14	263.14	3039267.00	INR Thirty Lakh Thirty Nine Thousand Two Hundred & Sixty Seven Only			
2.01	Up to 21	item8	2800.00	Nos	223.00	18%	40.14	263.14	736792.00	INR Seven Lakh Thirty Six Thousand Seven Hundred & Ninety Two Only			
2.02	22-35	item9	200.00	Nos	223.00	18%	40.14	263.14	52628.00	INR Fifty Two Thousand Six Hundred & Twenty Eight Only			
2.03	36-50	item10	150.00	Nos	223.00	18%	40.14	263.14	36471.00	INR Thirty Nine Thousand Four Hundred & Seventy One Only			
2.04	51-55	item11	150.00	Nos	223.00	18%	40.14	263.14	36471.00	INR Thirty Nine Thousand Four Hundred & Seventy One Only			
2.05	56-60	item12	150.00	Nos	223.00	18%	40.14	263.14	36471.00	INR Thirty Nine Thousand Four Hundred & Seventy One Only			
2.06	61 and above	Total In Figures							86393700.00	INR Eight Crore Sixty Three Lakh Ninety Three Thousands Seven Hundred Only			

NUMBER #	TEXT #	TEXT #	NUMBER #	TEXT #	NUMBER #	Percentage	NUMBER #	NUMBER #	NUMBER #	NUMBER #	TEXT #
1	1	Medical Insurance Policy – Rs. 5 Lakhs Age Group (in Yrs.)	2	3	4	5	6	7	8	9	10
1.01	Up to 21	item1	11550.00	Nos	4166.00	18%	749.88	4915.88	56778414.00	INR Five Crore Sixty Seven Lakh Seventy Eight Thousand Four Hundred & Fourteen Only	
1.32	22-35	item2	2800.00	Nos	4999.00	18%	899.82	5898.82	16516696.00	INR One Crore Sixty Five Lakh Sixteen Thousand Six Hundred & Ninety Six Only	
1.33	36-50	item3	200.00	Nos	7499.00	18%	1349.82	8848.82	1769764.00	INR Seventeen Lakh Sixty Nine Thousand Seven Hundred & Sixty Four Only	
1.34	51-55	item4	150.00	Nos	12373.00	18%	2227.14	14600.14	2190021.00	INR Twenty One Lakh Ninety Thousand & Twenty One Only	
1.05	56-60	item5	150.00	Nos	16095.00	18%	2895.30	18980.30	2847045.00	INR Twenty Eight Lakh Forty Seven Thousand & Forty Five Only	
1.06	61 and above	item6	150.00	Nos	20106.00	18%	3619.08	23725.08	3558762.00	INR Thirty Five Lakh Fifty Eight Thousand Seven Hundred & Sixty Two Only	
2	Personal Accident Policy (Disability/Death) – Rs. 25 lakhs Age Group (in Yrs.)										
2.01	Up to 21	item7	11550.00	Nos	750.00	18%	135.00	885.00	10221750.00	INR One Crore Two Lakh Twenty One Thousand Seven Hundred & Fifty Only	
2.02	22-35	item8	2800.00	Nos	750.00	18%	135.00	885.00	2478000.00	INR Twenty Four Lakh Seventy Eight Thousand Only	
2.03	36-50	item9	200.00	Nos	750.00	18%	135.00	885.00	177000.00	INR One Lakh Seventy Seven Thousand Only	
2.04	51-55	item10	150.00	Nos	750.00	18%	135.00	885.00	132750.00	INR One Lakh Thirty Two Thousand Seven Hundred & Fifty Only	
2.05	56-60	item11	150.00	Nos	750.00	18%	135.00	885.00	132750.00	INR One Lakh Thirty Two Thousand Seven Hundred & Fifty Only	
2.06	61 and above	item12	150.00	Nos	750.00	18%	135.00	885.00	132750.00	INR One Lakh Thirty Two Thousand Seven Hundred & Fifty Only	
Total in Figures											
96935702.00 INR Nine Crore Sixty Nine Lakh Thirty Five Thousand Seven Hundred & Two Only											

*Abdul**J*

Anneature C

**SPORTS AUTHORITY OF INDIA
(ES Division)**

Subject: Price Negotiation Committee Minutes for Rate Contract for Medical Insurance and Personal Accidental Policy for National Campers, Khelo India athletes, NCOE athletes, STC athletes and support staff.

IFB No: 3(1)/SAI/ES/MISC./2023

Tendering: Open Tender

Price Negotiation committee (PNC) consisting of following members met on 25.07.2023 for negotiation with L1 bidder (M/s Cholamandalam MS General Insurance Company Limited) against Tender ID: 3(1)/SAI/ES/MISC./2023 for Rate Contract for Medical Insurance and Personal Accidental Policy for National Campers, Khelo India athletes, NCOE athletes, STC athletes and support staff:

1. Sh. Sanjay Saraswat, Sr. ED/DDG, SAI - Chairman
2. Sh. Matadin Asiwal, Director (Finance)- Member
3. Ms. Amar Jyoti, Director, KI Events (L/O to DD(ES))- Member

Following were present from the bidder:

Sh. Abhinav Tripathi -Head Manager, M/s. Cholamandalam MS General Insurance Company Limited

1. PBEC Observation:

The price quoted by L1 bidder (M/s Cholamandalam MS General Insurance Company Limited) in the present tender is being compared with the estimated price, and the same is tabulated below:

S. No	Estimated Amount including GST in INR	L1 Quoted Amount including GST in INR	% Variation of L1 Price from estimated price
1	5,22,15,000	8,63,93,700	(+)65.46

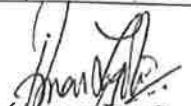
From the above table, it was noted by the PBEC that the total quoted price by the L1 bidder is on higher side when compared against estimated price (65.46%). Accordingly, the PBEC recommended for Price Negotiation with the L1 bidder (M/s Cholamandalam MS General Insurance Company Limited).

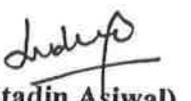
The PNC was further apprised that the estimated price of the said work is Rs. 5,22,15,000/- including GST.

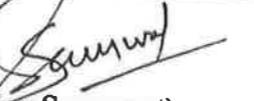
2. SUBMISSION FROM THE BIDDER

The bidder (M/s Cholamandalam MS General Insurance Company Limited) was asked by the committee to offer the best price based on the observation of the PBEC above. After detailed deliberations, considering the large number of customer base of the contract and based on their long term association with SAI, the bidder has submitted the revised price of Rs. 8,48,00,700/- including GST (Copy enclosed as Annexure-I). A comparison of the revised rates with the initial quoted rate is presented as below:

S. No	Estimated Amount including GST in INR	L1 Quoted Amount including GST in INR	Revised Quoted Amount including GST in INR	% Variation of L1 Price from estimated price	% Discount Offered on the Quoted price	% Variation of revised Price from estimated price
1	5,22,15,000	8,63,93,700	8,48,00,700	(+)65.46%	(-)1.88%	(+)62.41%


 (Amar Jyoti)
 Director (KI Events)


 (Matadin Asiwal)
 Director (Finance)


 (Sanjay Saraswat)
 Sr. ED/DDG (SAI)

3. Committee observation:

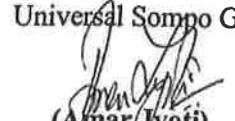
From the above, it is noted that the revised price quoted by the bidder is still on higher side of the estimated cost (+ 62.41%) and the same may be due to the following reasons:

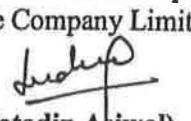
- a) **Increase in number of claims against the previous contract:** As per the details submitted by M/s Cholamandalam MS GIC, it is observed that in the existing contract, which was for two years, approx. 1.6% of the total numbers of policy had raised claims in the first year, the same was increased by 55.51% to 2.49% of the total policy in the second year. In view of this trend, the estimated projections are detailed below:

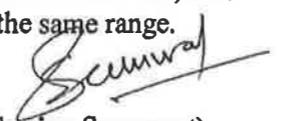
Description (For Group Medical policy)	First year of Contract (June 2020- May 2021)	Second Year of Contract (June 2021- May 2022)
No. of Lives Insured, (A)	12137	15770
No. of Claim accepted by Insurer, (B)	194	392
Number of Claim raised in % of total policy issued, (C)=(B/A)	1.60%	2.49%
Average Per policy claim paid by insurer for Group Medical Policy, (D)	2,696	3,391
Claim Amount Paid by Insurer for Group Medical Policy in INR, (E)	3,27,18,869	5,34,78,052
For Personal Accident Policy		
Number of Claims raised for Personal Accident Policy, (F)	0	1
Claim Amount Paid by Insurer for Personal Accident Policy in INR,(G)	0	2500000
Net Amount Paid by Insurer against the Claims in the Contract in INR,(H)=(E)+(G)	3,27,18,869	5,59,78,052

From the above table, it is observed that, the claim amount paid for every individual insured has gone up by 26% in the last two years and the number of claims raised has also gone up by 55.5%, projecting this trend of growth it may be inferred that the number of claims for the first year of contract may be around 580 and that for the second year of contract may be around 900 and keeping in view the same projection the amount that is projected that the amount to be paid by the insurer for two years excluding the other administrative expenses of the insurer works out to be Rs. 15.48 Cr approximately against which the M/s Cholamandalam has quoted Rs. 14.37 Crs for 2 years excluding GST.

- b) Increase in medical expenses during and after the pandemic,
- c) Awareness among the athletes for insurance as observed in the previous trend.
- d) Current market trend: the multiple quotations received earlier were also higher than the revised quote of M/s Cholamandalam MS General Insurance Company Limited and hence, it can be inferred that the rate is in line with the current market trends.
- e) Further, the committee also noted that existing tender was invited as open tender with sufficient time being given for submission of bid (38 days), against the bid, response from two bidders has been received and the rate quoted by the other bidder i.e., M/s Universal Sompo General Insurance Company Limited, is also in the same range.


 (Amar Jyoti)
 Director (KI Events)


 (Matadin Asiwal)
 Director (Finance)


 (Sanjay Saraswat)
 Sr. ED/DDG (SAI)

Considering all these factors, the rates are found reasonable and the same may be considered for award of contract.

4. Recommendations:

In view of the observations above, the committee considered the revised price of M/s Cholamandalam MS General Insurance Company Limited @ Rs. 8,48,00,700/- including GST (Rupees Eight Crore Forty Eight Lakhs Seven Hundred only) for one year and Rs. 16,96,01,400/- including GST (Rupees Sixteen Crore Ninety Six Lakhs One Thousand Four Hundred only) for two years, as reasonable.

The committee members also declare that they have no conflict of interest with any of the bidder in this tender.



(Amar Jyoti)
Director (KI Events)



(Matadin Asiwal)
Director (Finance)



(Sanjay Saraswat)
Sr. ED/DDG (SAI)

Classification: Public

FORM OF DECLARATION

(To be signed and submitted before start of negotiations)

(On company letterhead)

No: 3(1)/SAI/ES/MISC./2023

Date: 27/07/2023

To,
Deputy Director (ES),
Sports Authority of India

Sub: Tender No . 3(1)/SAI/ES/MISC./2023 Opened on for

Ref: Your invitation for negotiations dated: 27/07/2023

Dear Sir,

I Abhinav Tripathi duly authorised on behalf of M/s.Cholamandalam MS General Insurance Co. Ltd. do declare that in the event of failure of the contemplated negotiations relating to Tender No. 3(1)/SAI/ES/MISC./2023 opened on my original tender shall remain open for acceptance on its original terms and conditions.

Yours faithfully,

Place: New Delhi

Date: 27-07-2023



Signature of bidder or
Officer authorised to sign the bid
documents on behalf of the bidder

Classification: Public

// (On company letterhead)

Revised Offer in Negotiations

Date 27/07/2023

From, Cholamandalam MS General Insurance Co. Ltd.
Full address: 2nd Floor, Plot Number 39, Samyak Tower,
Pusa Road, Near Metro Pillar Number 120, New Delhi - 110005

To,

Deputy Director (ES),
Sports Authority of India

Sir,

Sub: Tender No. 3(1)/SAI/ES/MISC./2023 opened on _____ for the supply

Ref: Your invitation for negotiations dated: _____

On further discussions with your representatives on In response to your
mail dated _____

Sl. No.	Item Description	Quantity	Units	Basic unit rate excluding GST To be entered by the Bidder In Rs. P	GST %	GST Amount	Unit rate (Incl. of Tax) Rs. P	TOTAL AMOUNT (Incl. of Tax) Rs. P
1	2	4	5	6	7	8	9	10
1 Medical Insurance Policy – Rs. 5 Lakhs Age Group (in Yrs.)								
1.01	Up to 21	11550	Nos	4568	18%	822.24	5390.24	62,257,272.00
1.02	22-35	2800	Nos	4568	18%	822.24	5390.24	15,092,672.00
1.03	36-50	200	Nos	4568	18%	822.24	5390.24	1,078,048.00
1.04	51-55	150	Nos	4568	18%	822.24	5390.24	808,536.00
1.05	56-60	150	Nos	4568	18%	822.24	5390.24	808,536.00
1.06	61 and above	150	Nos	4568	18%	822.24	5390.24	808,536.00
2 Personal Accident Policy (Disability/Death) – Rs.25Lakhs Age Group (in Yrs.)								
2.01	Up to 21	11550	Nos	223	18%	40.14	263.14	3,039,267.00
2.02	22-35	2800	Nos	223	18%	40.14	263.14	736,792.00
2.03	36-50	200	Nos	223	18%	40.14	263.14	52,628.00
2.04	51-55	150	Nos	223	18%	40.14	263.14	39,471.00



Classification: Public

2.05	56-60	150	Nos	223	18%	40.14	263.14	39,471.00
2.06	61 and above	150	Nos	223	18%	40.14	263.14	39,471.00
Total in Figures								84,800,700.00

OR

I/we are not able to provide any better price for the above-mentioned item(s)

1. I/we am/are aware that the provisions of the original bidding document remain valid and binding on me.
2. I/we undertake to execute the contract as per the above quoted rates.
3. I/we agree to abide by this tender on the revised rate quoted by me/us, it is open for acceptance for a period of 180 (one hundred eighty) days from this date, i. e., up to and in default of my/our doing so, action as stipulated in the tender may be initiated.



Yours faithfully,

Signature of bidder or
officer authorised to sign the bid
documents on behalf of the bidder

A handwritten signature in black ink.

A handwritten signature in black ink.

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Email

ES Division, SAIHQ

Price for GMC and GPA proposal of SAI

From : abhinavtripathi@cholams.murugappa.com
Subject : Price for GMC and GPA proposal of SAI
To : ES Division, SAIHQ <es-sal@gov.in>

Tue, Aug 01, 2023 10:46 AM

Dear Sir/Mam,

Please note we have quoted for the GMC and GPA proposal of SAI considering the high claims in previous tender. Price has been arrived considering the same.

Best Regards,

Abhinav Tripathi

Branch Manager - Gurgaon Commercial

Cholamandalam MS General Insurance Company Ltd

2nd Floor, Plot Number 39, Samyak Tower,

Pusa Road, Near Metro Pillar Number 120,

New Delhi - 110005

Mobile Number: +91 7305986704

Email: abhinavtripathi@cholams.murugappa.com

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115th Meeting of the Finance Committee

Supplementary Agenda Papers

**Date/Time : 8th August 2023 (Tuesday) / 4.00 p.m.
Venue : Chamber of Secretary (Sports)
Shastri Bhawan
New Delhi**

INDEX for supplementary agenda

115th Meeting of Finance Committee of SAI (08.08.2023)

Item No.	Particulars	Page No.
1	Construction of 100 Bedded Girls Hostel at Puducherry	1-16
2	Construction of 300 Bedded Hostel at Dr. KSSR, Tughlakabad, New Delhi	17-63
3	Construction of 330 Bed Hostel at SAI, NSSC, Bangalore	64-67

Supplementary Agenda Item No.1

Construction of 100 Bedded Girls Hostel at Puducherry.

The proposal was approved in the 48th GB for Rs.11.85 Cr. The Administrative approval for Rs. 11.85 Cr. was issued to M/s WAPCOS to take up the work.

The tender was floated by M/s. WAPCOS and the work was awarded for Rs.10,50,34,603/- . However, the tender was not floated for the furniture along with the main tender even though it was in the scope of work approved. The estimated cost approved for the furniture component in the A/A & E/S of Rs.11.85 Cr was Rs.36, 70,385/- . The hostel was completed in 2021 and was inaugurated by Shri Narendra Modi, Honourable Prime Minister of India.

The major civil and electrical works were taken up with the tendered cost of Rs.10,50,34,603/-including applicable GST (excluding furniture) and completed at a cost of Rs.10,41,08,481/- including GST and PMC charges (**Annexure - I**).

However, certain additional essential works were executed (additional works) for Rs.45, 38,645/- (including GST and PMC) – **Annexure - II**, based on the site condition and as suggested by the Puducherry State government representatives/ PMG members in various review meetings held. The works executed are Extension of Kitchen area (to facilitate the installation of modern kitchen equipment), Open shed for the cloth drying (It is necessary to have extra cloth drying area being a girls hostel), A watch tower for the security guard (needed for the security surveillances of the hostel), providing grills in the ground floor windows (for the security of inmates in the ground floor).

The total cost of the project on completion is Rs.11,21,06,954/- including the cost of furniture (separate tender- Annexure III) and additional works against the A/A & E/S for Rs.11,85,00,000/- . It is to be kindly noted that the total cost is within the overall ceiling of as per A/A & E/S. The details are as below:

Sr. No.	Particulars	Amount (In Rs.)
1	Administrative Approval & Expenditure sanction	11,85,00,00/-
2	Awarded cost of the building including GST/PMC charges	11,85,00,00/-
3	Cost up to completion including GST/PMC charges (Civil work within original scope of work)	10,41,08,481/-
4	Cost for furniture (separate tender) as per the A/A & E/S given (included in original scope of work)	25,89,392/-
5	Cost of additional items (additional works) including GST/PMC Charges	45,38,645/-
6	Statutory fees for Map approval, electric/water connection etc.	08,70,436//-
7	Grand TOTAL	11, 21, 06,954/-

LNCPE has intimated that the additional works for Rs.45,38,645/- were executed along with the main work as it were very essential for a girl's hostel and was inexplicable.

The cost would have been more if, these essential works were taken up through a separate tender. As such, it is placed before the finance committee to accord the concurrence for the supplementary estimate for the additional works amounting to Rs.45,38,645/- including GST/PMC.

Overall cost of the project after inclusion of supplementary estimate & additional works amount to Rs. 11, 21, 06,954/- (all inclusive). The cost break up is placed as **Annexure - III.**

Concurrence of Finance Committee is solicited for the ex-post facto sanction for the supplementary estimate for the additional works amounting to Rs.45,38,645/- including GST/PMC. The total cost of the project is Rs. 11, 21, 06,954/- (all inclusive).

Construction of 100 Bedded Girls Hostel at SAI Puducherry

S.No.	Description of Item	Tendered Cost		Total up to completion	
		% Factor	Amount	% Factor	Amount
1	Awarded Cost to Civil Contractor excluding GST		8,78,00,000		14,17,092
1	On completion of Boundary wall including excavation, PCC, foundation, RCC / Brick works, Plastering and construction of gate and guard room	2.50%	21,95,000	1.61%	34,39,000
2	on completion of final painting & finishing of boundary wall, fixing of concertina wire fencing, guard room and installation of MS gate with proper finish	0.50%	4,39,000	0.50%	4,39,000
3	On completion of PCC work including excavation for foundation in all respect as per the Scope of work	1.00%	8,78,000	1.00%	8,78,000
4	On completion of all works up to plinth beam level as per the scope of work	4.00%	35,12,000	4.00%	35,12,000
5	On casting of columns above Plinth beam Level and upto beams soffit of first floor	4.00%	35,12,000	4.00%	35,12,000
6	On casting of ground floor slab with beams and allied works	4.00%	35,12,000	4.00%	35,12,000
7	On casting of columns above ground floor slab Level and upto beams soffit of second floor	4.00%	35,12,000	4.00%	35,12,000
8	On casting of First Floor slab with beams and allied works	4.00%	35,12,000	4.00%	35,12,000
9	On casting of columns above first floor slab Level and upto beams soffit of third floor	4.00%	35,12,000	4.00%	35,12,000
10	On casting of second Floor slab with beams and allied works	4.00%	35,12,000	4.00%	35,12,000
11	On casting of columns above Second floor slab Level and upto beams soffit of terrace floor	4.00%	35,12,000	4.00%	35,12,000
12	On casting of Terrace Floor slab with beams and allied works	1.50%	13,17,000	1.50%	13,17,000
13	On completion filler wall work of ground floor along with provision of lintel etc and providing and fixing teak wood door frame with Granite finish and upvc Door & window frames	1.50%	13,17,000	1.50%	13,17,000
14	On completion filler wall work of first floor along with provision of lintel etc. and providing and fixing teak wood door Frame with Granite finish and upvc Door & window frames	1.50%	13,17,000	1.50%	13,17,000
15	On completion filler wall work of second floor along with provision of lintel etc and providing and fixing teak wood door frame with Granite finish and upvc Door & window frames	1.50%	13,17,000	1.50%	13,17,000
16	On completion filler wall work of third floor along with provision of lintel etc. and providing and fixing teak wood door frame with Granite finish and upvc Door & window frames	1.50%	13,17,000	1.50%	13,17,000
17	On completion of internal plastering of ground floor	0.50%	4,39,000	0.50%	4,39,000
18	On completion of external plastering of ground floor	0.50%	4,39,000	0.50%	4,39,000
19	On completion of internal plastering of first floor	0.50%	4,39,000	0.50%	4,39,000
20	On completion of external plastering of first floor	0.50%	4,39,000	0.50%	4,39,000
21	On completion of internal plastering of second floor	0.50%	4,39,000	0.50%	4,39,000
22	On completion of external plastering of second floor	0.50%	4,39,000	0.50%	4,39,000
23	On completion of internal plastering of Third floor	0.50%	4,39,000	0.50%	4,39,000
24	On completion of external plastering of Third floor	0.50%	4,39,000	0.50%	4,39,000
25	On laying and fixing of Slab/ wall conducting & MS box fixing in position of second and third floor for electrical works	0.50%	4,39,000	0.50%	4,39,000
26	On laying and fixing of Slab/ wall conducting & MS box fixing in position of ground and first floor for electrical works	2.00%	17,56,000	2.00%	17,56,000
27	Overall laying of pipe network for internal plumbing, fire fighting in position inside the hostel building and connection with OHT and UGT	0.50%	4,39,000	0.50%	4,39,000
28	Overall laying of pipe network for internal sanitary/ sewage, in position inside the hostel building and connection upto Man hole of the building	0.50%	4,39,000	0.50%	4,39,000
29	Overall laying of pipe network for external plumbing works including connection of bore well pump house/ Govt. water supply line with UGT	0.50%	4,39,000	0.50%	4,39,000
30	Overall laying of pipe network for external sanitary/ sewage works including connection of man hole of building from existing Sewer line.	0.50%	4,39,000	0.50%	4,39,000

S.No.	Description of Item	Tendered Cost % Factor	Amount	Total up to completion % Factor	Amount
31	On completion of flooring/ dado/ skirting in rooms, staircase corridors, toilets, common area, wall tiles, wall Granite in corridors, kitchen & toilet Granite counter etc. in ground floor	1.50%	13,17,000	1.50%	13,17,000
32	On completion of flooring/ dado/ skirting in rooms, staircase corridors, toilets, common area, wall tiles, wall Granite in corridors, toilet Granite counter etc. in First floor	1.00%	8,78,000	1.00%	8,78,000
33	On completion of flooring/ dado/ skirting in rooms, staircase corridors, toilets, common area, wall tiles, wall Granite in corridors, toilet Granite counter etc. in Second floor	1.00%	3,78,000	1.00%	2,78,000
34	On completion of flooring/ dado/ skirting in rooms, staircase corridors, toilets, common area, wall tiles, wall Granite in corridors, toilet Granite counter etc. in Third floor	0.50%	4,39,000	0.50%	4,39,000
35	On fixing railing in staircases, balcony, corridors etc.	0.80%	7,02,400	0.80%	7,02,400
36	Complete Electrical fitting including wiring, switching, distribution board, panels etc. upto main distribution board of the building	2.50%	21,95,000	2.50%	21,95,000
37	Supply, Testing and Commissioning of Fire Alarm System complete in all respect	2.00%	17,56,000	2.00%	17,56,000
38	On providing and fixing door shutters , uPVC window & door shutters, ventilators, hardware fixtures & fittings, etc. on ground and first floor	1.50%	13,17,000	1.50%	13,17,000
39	On providing and fixing door shutters , uPVC window & door shutters, ventilators, hardware fixtures & fittings, etc. on Second and Third floor	1.50%	13,17,000	1.50%	13,17,000
40	On providing and fixing of frameless toughened glass door & fixed glass panel with patch fittings in reception lobby, passage, Dining Room, Reading Room, Fitness zone, side & main entrance door.	0.00%	-	-	-
41	On completion of all Over-head tanks in all respect	1.00%	8,78,000	1.00%	8,78,000
42	Terrace water proofing & allied works i.e. bitumen painting, brick coba, making khurras, concrete gola & testing thereof	0.50%	4,39,000	0.50%	4,39,000
43	External finishing work of Structural Glazing Aluminium Composite Panel & vision glass panel on the front of hostel building	2.50%	21,95,000	2.50%	21,95,000
44	External finishing work of hostel building in balance area apart from structural glazing work	0.25%	2,19,500	0.25%	2,19,500
45	On completion of Under Ground Tanks in all respect	0.75%	6,53,500	0.75%	6,53,500
46	On completion of external development works like road, footpath, horticulture works, Signage boards, main signage board of Hostel Building, rain water harvesting and other, necessary allied works	1.50%	13,17,000	1.50%	13,17,000
47	on completion of Bore Well/Tube well along with pumps and equipments and allied works	0.60%	5,26,300	0.60%	5,26,300
48	Supply, Testing and commissioning of Lift/ Elevator complete in all respect	2.50%	21,95,000	2.50%	21,95,000
49	Supply of DG Sets, Transformers at project site	0.80%	7,02,400	0.80%	7,02,400
50	Construction of Meter and HT Panel room and civil works of Transformer and DG sets	0.30%	2,63,400	0.30%	2,63,400
51	Testing and commissioning of DG Sets, Transformers, Electrical Substation equipments along with all cabling/wiring works and connections with all accessories between Meter Panel to HT panel to Transformer to LT panel to Distribution boards to Electrical Fittings including DG Sets to LT Panel Cabling	2.50%	21,95,000	2.50%	21,95,000
52	Installation, testing and commissioning of fire-fighting system in all respect	0.70%	6,14,600	0.70%	6,14,600
53	Installation, testing and commissioning of water treatment plant/ softener, water coolers, incinerators for disposal of napkins in all respect	0.50%	4,39,000	0.50%	4,39,000
54	Installation, testing and commissioning of Solar photovoltaic cell in all respect	1.50%	30,73,000	1.50%	30,73,000
55	Installation, testing and commissioning of ductable air conditioning System in all respect	1.50%	13,17,000	1.50%	13,17,000
56	Installation, testing and commissioning of Hi-wall split air conditioning system in all respect	2.00%	17,56,000	2.00%	17,56,000
57	on completion of false Ceiling works on Ground and First floor	0.40%	3,51,200	0.40%	3,51,200
58	on completion of False Ceiling works on Second and Third floor	0.40%	3,51,200	0.40%	3,51,200
59	Final coat of internal/external painting, polishing on each required surface , testing / commissioning of services prior to handing over	1.00%	1,73,600	2.00%	1,73,600
60	Final lining of all complete sanitary fitting, plumbing fittings, lighting, fans, electric Geyser's, other fittings & fixtures etc. prior to handing over	3.00%	26,34,000	3.00%	26,34,000

S.No.	Description of Item	Total up to completion			
		% Factor	Tendered Cost	% Factor	Amount
61	External Lighting including civil works, poles, cabling, lighting fixtures, accessories within the boundary wall, along the road and gate of the hostel campus.	1.00%	\$ 75,000	1.00%	\$ 75,000
62	After completion of balance work which are not included in above payment terms and in the scope of work of contractor and Handing over of the building with full satisfaction of Engineer in-charge/ SAI.	5.00%	43,90,000	5.00%	43,90,000
63	Decution due to execution of 197 meter of Boundary wall instead of 305 meter as per the site conditions and plot size				-77908
	Total cost of executed work up to completion excluding GST		8,75,00,000		8,70,22,082

Annex-II

Construction of 100 Bedded Girls Hostel at SAI Puducherry

Additional works of Increase In area of Kitchen, Cloth Drying area, Watch tower above Guard room, Increase in road

SN	DSR No	Description	Unit	A - CIVIL WORKS			Cumulative Bill	
				1	2	3		9
Earth work								
1	2.6	Earth work in excavation by mechanical means(Hydraulic excavator)/ manual means over areas (exceeding 30cm in depth, 1.5m in width has well as 10 sqmon plan) including disposal of excavated earth, lead upto 50m and lift upto 1.5m, disposed earth to bevelled and neatly dressed.						
	2.6.1	All kinds of soil						
2	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	cum	125.95	2046.34	2198.71	2.57.736.81	2.76,488.13
3	2.27	Supplying and filling in plinth w under floors, including watering, ramming, consolidating and dressing complete.	cum	125.75				
4	2.34	Supplying chemical emulsion in sealed containers including delivery as specified.	cum	917.75	24.60			22.576.65
	2.34.1	Chlorpyrifos / Lindane emulsifiable concentrate of 20%	litre	185.95	0.84			
5	2.35	Diluting and injecting chemical emulsion for POSTCONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion)	litre					156.78
	2.35.3	Treatment of soil under existing floors using chemical emulsion @ one litre per hole, 300 mm apart including drilling 12 mm diameter holes and plugging with cement mortar 1 : 2 (1 cement : 2 Coarse sand) to match the existing floor :						
	2.35.3.1	With Chlorpyrifos/Lindane E.C. 20% with 1% concentration	sqm	131.90	84.31			
6	2.35.4	Treatment of existing masonry using chemical emulsion @ one litre per hole at 300 mm interval including drilling holes at 45 degrees and plugging them with cement mortar 1:2 (1 cement : 2 coarse sand) to the full depth of the hole:	RMT	19.05				11.121.13
	2.35.4.1	With Chlorpyrifos/Lindane E.C. 20% with 1% concentration						
7	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level	RMT	54.50				1.038.30
	4.1.8	1:4:8 (1 cement 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size)						
	R C C Work							
10	5.9	Centering and shuttering including strutting, propping etc. and removal of form for :						
	i)	5.9.1 Foundations, footings, bases of columns, etc. for mass concrolo	cum	193.95	59.64			
	ii)	Suspended floors, roofs, landings, balconies and access platform	cum	422.30	128.12			
	iv)	Lintels, beams, plinth beams, girders, crosssummers and cantilevers	cum	342.90	79.20			
	v)	Columns, Pillars, Piers, Abutments, Posts and Struts	cum	467.85	36.19			
								16.932.43

6

Additional works of Increase in area of Kitchen, Cloth Drying area, Watch tower above Guard room, increase in road

SN	DSR No	Description	Unit	Cumulative Bill		
				Rate	Qty	Amount (NDSR)
1	2	3	4	6	7	8
11	5.22	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.	kg	56.60	2749.82	1,55,6,15 81
12	5.22A.6	Thermo-Mechanically Treated bars position and binding all complete above plinth level.	kg	56.60	5041.51	2,85,349 33
13	5.33	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge.	cum	6446.45	14.73	94,927 59
i)	5.33.1	All works upto Plinth Level	cum	7250.05	21.38	1,54,993 74
ii)	5.33.2	All works above plinth level				
		Brick work				
15	6.1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:	cum	4751.65	11.71	55,6,17 07
	6.1.2	Cement mortar 1:6 (1 cement : 6 coarse sand)				
6.4		Brick work with common Fly Ash (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :				
6.5.2		Cement mortar 1:6 (1 cement : 6 coarse sand)	Cu.m.	7500.00	25.53	1,91,447 13
16	6.12	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in :				
	6.12.2	cement mortar 1:4 (1 cement : 4 coarse sand)	sqm	593.50	105.24	6,2,459 34
		Marble work				
16	8.2	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels.				
	8.2.2.2	Granite of any colour and shade				
8.2.2.1		Area of slab over 0.50 sqm	sqm	3113.31	119.81	3, / 3,008 73
9.127		Providing & Fixing decorative high pressure laminated sheet of plain / wood grain in gloss / matt / suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality.				
9.127.2		1.0 mm thick	Sqm	2650.00	9.84	1,6,459 50
		Wood work				

Additional works of Increase in area of Kitchen, Cloth Drying area, Wash tower above Quantal room, Increase in roof

SN	DSR No	Description	Unit	Rate	Qty	Cumulative Bill	
						Amount (INR)	Amount (DSR)
1	2				4	6	0
21	9.21	Providing and fixing ISI marked flush door shutters conforming to IS 2021 Part II (non decorative type) core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters	sqm	1550/-	0.16	1550/-	1550/-
	9.21.1	35 mm thick including ISI marked Stainless Steel pull handles with necessary screws	sqm	1,115.00	0.04	44.60	1,115.00
	9.127.1	Providing & Fixing decorative high pressure laminated sheet of plain gloss / matty suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS 2046 Type S including cost of authentication of approved quality.	sqm	1,115.00	0.04	4.46	1,115.00
		Fittings of Door window					
24	9.96	Providing and fixing aluminium sliding door bolts ISI marked and best available quality not less than Grade AC 10 as per IS 1660 transparent or opal to required colour and shade, with nuts and screws etc complete	Each	1.24/-	1.00	1.24	1.24
	9.96.1	300x16 mm	kg	56.45	2.00	112.90	112.90
25	9.76	Providing and fixing bright finished brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles of approved Quality with necessary screws etc complete	Each	1.24/-	1.00	1.24	1.24
	9.101.1	Single rubber stopper	Each	27.15	0.00	0.00	0.00
	10.25.2	In grilings, frames, guard bar, ladder, railings, brackets, gates and similar works	kg	105.95	0.174 M	18.30	18.30
27	10.28	Providing and fixing stainless steel 1 Grade 304 railing made of Hollow tubes, channels, plates etc , including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete to fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	kg	417.10	410.00	174.00	348.00
	11.36	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in shirking, risers of steps and dados, over 12 mm thick bed of cement mortar 1.3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.5kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	sqm	149.14	149.14	149.14	149.14

Additonal rates of increase in area of Rebar, Gage area, Wash water above Guest room, Dressing & Wash

Sl	DSR No	Description	Construction B.M.							
			Unit	Rate	Qty	Amt	Unit	Rate	Qty	Amt
1	2									
26	11-32	Rebar etc Billing Casting gage floor tiles of size 30x30 cm thickness 25 mm Sleeper in the transoulder. If 15 gauge thickness is 15x22 of casting area in colour shades except white, grey, fine red, brown, lacquer etc. and guest room area including gages are corollary.	SCF	75/-	12	900/-	SCF	75/-	12	900/-
27	12-10	Guest room base & floor plaster area = 12 x 12 x 5 m thick plaster base 15 mm except white, grey, fine red.	SCF	25/-	500	1250/-	SCF	25/-	500	1250/-
28	12-11	Guest room base in the right side of single or pair door wall of 12 x 12 x 5 mm thickness 15 mm. & according area of plaster part area manufacture. i.e. the decorative wall surface except the surface over art studio	SCF	25/-	500	1250/-	SCF	25/-	500	1250/-
29	12-12	Guest room base in the left side of single or pair door wall of 12 x 12 x 5 mm thickness 15 mm. & according area of plaster part area manufacture. i.e. the decorative wall surface except the surface over art studio	SCF	25/-	500	1250/-	SCF	25/-	500	1250/-
30	12-13	Guest room base in the center of double or pair door wall of 12 x 12 x 5 mm thickness 15 mm. & according area of plaster part area manufacture. i.e. the decorative wall surface except the surface over art studio	SCF	25/-	500	1250/-	SCF	25/-	500	1250/-
31	12-14	Guest room base in the center of double or pair door wall of 12 x 12 x 5 mm thickness 15 mm. & according area of plaster part area manufacture. i.e. the decorative wall surface except the surface over art studio	SCF	25/-	500	1250/-	SCF	25/-	500	1250/-
32	12-15	Guest room base in the center of double or pair door wall of 12 x 12 x 5 mm thickness 15 mm. & according area of plaster part area manufacture. i.e. the decorative wall surface except the surface over art studio	SCF	25/-	500	1250/-	SCF	25/-	500	1250/-
33	12-16	Guest room base in the center of double or pair door wall of 12 x 12 x 5 mm thickness 15 mm. & according area of plaster part area manufacture. i.e. the decorative wall surface except the surface over art studio	SCF	25/-	500	1250/-	SCF	25/-	500	1250/-
34	12-17	Guest room base in the center of double or pair door wall of 12 x 12 x 5 mm thickness 15 mm. & according area of plaster part area manufacture. i.e. the decorative wall surface except the surface over art studio	SCF	25/-	500	1250/-	SCF	25/-	500	1250/-
35	12-18	Surfacing etc. Sealing of Guest Room by ceramic tiles or 12 mm thickness ceramic including vanity & bathroom up to 1200 mm corollary.	SCF	25/-	500	1250/-	SCF	25/-	500	1250/-
36	12-19	Surfacing etc. Sealing of Master & Bed room by ceramic tiles or 12 mm thickness ceramic including vanity & bathroom up to 1200 mm corollary.	SCF	25/-	500	1250/-	SCF	25/-	500	1250/-

Additional works of Increase in area of Kitchen, Cloth Drying area, Watch tower above Guard room, increase in road

SN	DSR No	Description	Unit	Rate	Qty	Cumulative Bill	
						Amount (NDSR)	Amount (DSR)
1	2	3					9
37	16.69	Providing and laying at or near ground level factory made kerb stone of M- 25 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1 : 3 (1 cement 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not be more than 5mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).	Cu.Mt	5012.65	45.28		2 26 390 34
38	16.78.1	With material conforming to Grade-I (size range 75 mm to 0.100 mm) having CBR Value 30	Cum	2089.70	69.78		1 45 826.58
39	16.79.2	With material conforming to Grade-II (size range 53 mm to 0.100 mm) having CBR Value-25	Cum	2080.15	49.99		1 03 978.90
40	4.1.5	1:3.6 (1 Cement : 3 coarse sand (zone-III) : 6 graded stone aggregate 20 mm nominal size).	Cum	4927.00	71.40		3.51 805.04
41	22.19.1	3mm (for corrugated roof sheets)	Sqm	410.70	91.42		37.545 78
42	14.5.2	Float glass panes of thickness 5.5 mm	Sqm	898.55	1.50		1 347.83
43	17.28	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.					-
	17.28.1	Semi rigid pipe	Each	81.40	4.00		325.60
	17.28.1.2	40 mm dia					-
44	18.58	Providing and fixing PTMT grating of approved quality and colour.					-
		Circular type					-
		100 mm nominal dia	Each	32.75	8.00		262.00
45	18.49	Providing and fixing C.P brass bib cock of approved quality conforming to IS standards IS: 8931.					-
	18.49.1	15 mm nominal bore	each	371.70	6.00		2 230 20
46	18.50	Providing and fixing C.P brass ANGULAR COCK of approved quality conforming to IS standards and weighing not less than 810 gms.					-
	18.50.1	15 mm nominal bore	each	855.30	6.00		5 131 30
47	18.32	Constructing brick masonry chamber 300 x 300 x 500 mm, inside with F.P.S. brick work in cement mortar 1 : 4 (1 cement : 4 coarse sand) for Stop Cock, with C.I. surface box 100 x 100 x 75 mm (inside) with hinged cover fixed in cement concrete slab 1 : 2.4 mix (1 cement : 2 coarse sand : 4 grade stone aggregate 20mm nominal size), necessary excavation, foundation concrete 1:5:10 (1 cement : 5 fine sand: 10 graded stone aggregate 40mm nominal size) and inside plastering with cement mortar 1 : 3 (1 cement : 3 coarse sand) : 12 mm thick finished with a floating coat of neat cement complete as per standard design.					-
	18.32.1	With common burnt clay F.P.S.(non modular) bricks of class designation 7.5	each	1195.35	2.00		2 390 70
48	18.75	Cutting holes up to 30 X 30 cm in walls including making good the same					-
	18.76	With common burnt clay F.P.S. (non modular) bricks	each	219.20	10.00		2 192.00

Additional works of Increase in area of Kitchen, Cloth Drying area, Watch tower above Guard room, increase in road

SN	DSR No	Description	Unit	Cumulative Bill			
				Rate	Qty	Amount (NDSR)	Amount (DSR)
1	2	3					
49	2.10	Excavating trenches of required width for pipes, cable, etc including excavation for sockets and dressing of sides, ramming of bottoms, depth upto 1.50m including getting out the excavated soil & then returning the soil as required, in layers not exceeding 20 cm in depth including consolidating each deposited layer by ramming, watering, etc & disposing of surplus excavated soil as directed within a lead of 50m.		4	6	7	9
	2.10.1	All kinds of soil					
50	19.7.3	Pipes cables etc. exceeding 80 mm dia. But not exceeding 300mm dia. Inside size 120x90 cm and 90 cm deep including C.I. cover with frame (heavy duty) 560 mm internal diameter, total weight of cover and frame to be not less than 208 kg (weight of cover 108 kg and weight of frame 100 kg).	metre	210.00		61.50	12,915.00
	19.7.3.1	With common burnt clay F.P.S.(non modular) bricks of classic designation 7.5	each	23088.60	1.00		23,088.60
51	19.30	Constructing brick masonry chamber for underground C.I. inspection chamber and bends with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg), R.C.C. top slab with 1:2.4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:5:10 (1 cement : 5 coarse sand (Zone III) : 10 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand), finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete as per standard design					
	19.30.1	Inside dimensions 455x610 mm and 45 cm deep for single pipe line :					
52	21.18	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5 Providing and fixing 12 mm thick frameless toughened glass door shutter of approved brand and manufacture, including providing and fixing top & bottom pivot & spring type fitting arrangement and making necessary holes etc. for fixing required door fittings, all complete as per direction of Engineer-in-charge (Door handle, lock and stopper etc. to be paid separately).	Sqm	4777.35 4608.85	1.00 19.21	4,777.35 88,544.07	
53	13.45	Finishing walls with textured exterior paint of required shade					
	13.45.1	New work (Two or more coats applied @ 3.28 ltr/10 sqm) over and including priming coat of exterior primer applied @ 2.20kg/10 sqm	Sqm	150.65	533.05	80,303.51	
54	21.40	Providing and fixing double action hydraulic floor spring of approved brand and manufacture conforming to IS - 6315, having brand logo embossed on the body / plate with double spring mechanism and door weight upto 125 kg, for doors, including cost of cutting floors, embedding in floors as required and making good the same matching to the existing floor finishing and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc.	Each	2054.40	4.00	8,217.60	
55	22.6	Providing and laying water proofing treatment on roofs of slabs by applying cement slurry mixed with water proofing cement compound consisting of applying	Sqm	395.00	73.04	23,650.80	

Additional works of increase in area of Kitchen, Cloth Drying area, Watch tower above Guard room, increase in road

SN	DSR No	Description	Unit	Rate	Qty	Cumulative Bill	
						Amount (NDSR)	Amount (DSR)
1	2	3	4	6	7	8	9
56	4.17	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation, levelling & dressing & finishing the top smooth.	Sqm	450.35	18.48		8,322.47
NON SCHEDULE ITEMS							
		Wall mounted WC-ino	Each	20000.00	1.00	20000	
		Flore mounted WC -1no	Each	20000.00	1.00	20000	
		Two way Tap	Each	2100.00	2.00	4200	
		Hand shower-2no	Each	3500.00	2.00	7000	
		Connection tube -2no	Each	400.00	2.00	800	
		SS circular grillings(5")	Each	100.00	6.00	600	
		Tower bolt	Each	100.00	10.00	1000	
		D handle	Each	150.00	6.00	900	
		AL Drops	Each	250.00	3.00	750	
		baby latch	Each	250.00	2.00	500	
		Total			55.750	50,75,114	
		Amount Including 12% GST			62,440	50,75,114	
		Total Including 12% GST (A)				51,37,554	
B - ELECTRICAL WORKS							
1.0	1.10	Wiring for light point / fan point / exhaust fan point / call bell point with 1.5 sq-mm FRLS PVC Insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm.FRLS PVC Insulated copper conductor single core cable etc as required.					
1.10.3	Group C	Extended Kitchen - 28,Dry cloth area-4, Guard Room-5	Point	757	37.00		
2.0	1.12	Wiring for light/ power plug with 2X4 sq. mm FRLS PVC Insulated copper conductor single core cable in surface/ recessed medium class PVC conduit along with 1 No 4 sq. mm FRLS PVC Insulated copper conductor single core cable for loop earthing as required.	Meter	168	710.00	710.00	28 009.00
3.0	1.13	Wiring for light/ power plug with 4X4 sq. mm FRLS PVC Insulated copper conductor single core cable in surface/ recessed medium class PVC conduit alongwith 2 Nos 4 sq. mm FRLS PVC Insulated copper conductor single core cable for loop earthing as required.	Meter	281	515.00	515.00	1 19 280.00
4.0	1.14	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required	Meter				1 44 715.00
a)	1.14.2	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	Meter	137		495.00	
b)	1.14.3	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	Meter	168		180.00	67 315.00
c)	1.14.7	4X 2.5 sq. mm + 2 X 2.5 sq. mm earth wire	Meter	215		120.00	30 240.00
							25 800.00

Additional works of Increase in area of Kitchen, Cloth Drying area, Watch tower above Guard room, increase in road

Additional works of Increase in area of Kitchen, Cloth Drying area, Watch tower above Guard room, increase in road							
SN	DSR No	Description	Unit	Rate	Qty	Commulative Bill	
						Amount (NDSR)	Amount (DSR)
1	2	3			4	6	7
5.0	1.21	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/ recess including cutting the wall and making good the same in case of recessed conduit as required.	Meter	57	135.00	7	8
	1.21.1	20 mm	Meter	69	135.00		
	1.21.2	25 mm	Meter	288	5.00		
6.0	1.25	Supply and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	Each				
7.0	1.26	Supply and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	Each	24	18.00		432.00
8.0	1.27	Supplying and fixing following size/ modules. GI box along with modular base & cover plate for modular switches in recess etc as required.	Each	175	21.00		
	a) 1.27.1	1 or 2 Module (75 mmX75 mm)	Each	185	21.00		3,675.00
	b) 1.27.2	3 Module (100 mmX75 mm)	Each	313	12.00		3,885.00
9.0	1.31	Supply and fixing of suitable size GI box with modular plate and cover in FRLS on surface or in recess including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps. modular switch, connection etc. as required. (For light plugs to be used in non residential buildings).	Each				3,756.00
10.0	1.32	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 A & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	Each	406	13.00		5,278.00
11.0	10.18 civil	Providing and fixing circular / Hexagonal cast iron or M.S Sheet Box for ceiling fan clamp of internal dia 140 mm , 73 mm height top lid of 1.5 mm thick M.S Sheet with its top surface hacked for proper bonding . top lid shall be screwed into the cast iron / M.S sheet box by means of 3.3 mm dia round headed screws , one lock at the corners clamp shall be made of 12 mm dia M.S bar bent to shape as per standard drawing	Each	130.1	6.00		780.60
	SUB HEAD (II) :- DISTRIBUTION BOARDS & MCB's						
1.0	2.5	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 V, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 A, tinned copper bus bar, common neutral link, earth bar, din bar for mounting UCBS (but without MCBs and incomer) as required. (Note : Vertical type MCB TPD is normally used where 3 phase outlets are required.)	Each				
	2.5.1	4 way (4 + 12), Double door	Each	4502	2.00		9,004.00
2.0	2.10	Supplying and fixing 5 amps to 32 amps rating, 240 volts, 'C' series, miniature circuit breaker suitable for lighting and other loads of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.	Each	173	8.00		1,384.00
2.10.1	Single pole						

Additional works of increase in area of Kilchon, Cloth Drying area, Watch tower above Guard room, increase in road

SN	DSR No	Description	Unit	Rate	Qty	Cumulative Bill	
						Amount (INR)	Amount (DSR)
1	2	3					
3.0	2.11	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.	Each	4	6	7	14.00
4.0	2.15	Supplying and fixing following rating, four pole, (three phase and neutral), 415 V, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
	2.15.2	40 amps	Each	2131	1.00		2.131.00
	SUB HEAD(III)- CABLES						
	CABLE END TERMINATIONS :						
4.0	MR	Supplying and making indoor and termination with brass compression gland and aluminium / copper lugs for following sizes of PVC insulated and PVC sheathed / XLPE aluminium aluminium conductor cable of 1.1 KV grade as required.					
	A)	Copper (ARMoured)					
	a	4 core 6 sqmm XLPE	each	401	6.00	2408.28	
5.0	MR	Supply of the following 1100 Volts Alu/ Cu conductor.					
	1	PVC insulated PVC shelled, steel armoured unarmoured or XLPE cables as per IS - 1554/ 7098 Part - I	RM	276	110.00	30360	
	A)	ALUMINIUM/COPPER CABLE (ARMoured)					
	a	4 core 6 sqmm Cu Arm'd Cable					
	SUB HEAD(IV):-INTERNAL LIGHTING FIXTURES & FANS						
	SUPPLY OF LIGHTING FIXTURES						
1.0		Supply of the following luminaires comprising of basic channel, holder, Electronic Ballast / Low Loss Copper Ballast (as mentioned in BOQ) starter, condenser, control gear box complete with decorative attachments, lamps etc. as per specification and as per catalogue number giving below					
i)	MR	Wall mounted 20W 2 feet LED light fixture.	each	5297.50	8.00	42380	
ii)	MR	Weather proof wall light to highlight walls.	each	3574.91	4.00	14299.64	
iv)	MR	15 watt surface mounted warm white light. (Circular)	each	2607.94	4.00	10431.76	
vii)		Supply of AC 230/250 volts, 50 HZ ceiling fan with standard down rod, blades, 2 nos. caps & regulator etc. ISI marked complete as required.					
	MR	900 mm sweep	each	2110	4.00	8440	
	ERCTION OF LIGHTING FIXTURES AND FANS						
1.0	1.41	Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting of all types, complete with all accessories and tube etc. directly on ceiling/ wall, including connection with 1.5 sq. mm FR PVC Insulated, copper conductor, single core cable and earthing etc. as required.	Each	100	25.00	2500.00	
2.0	1.45	Installation, testing and commissioning of ceiling fan including wiring the down rod of standard length (upto 30 cm.) with 1.5 sq. mm. FR-S PVC Insulated, copper conductor, single core cable, including providing and fixing phonolic laminated shoot cover on the fan box etc. as required	Each	132	6.00	792.00	

Additional works of Increase in area of Kitchen, Cloth Drying area, Watch tower above Guard room, increase in road

SN	DSR No	Description	Unit	Rate	Qty	Commulative Bill	
						Amount (NDSR)	Amount (DSR)
1	2	3					9
17.0	7.1	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required.		4	6	7	8
	7.1.1	Upto 35 sq mm	metre	206	110.00		22,560.00
			Total			1,08,320	4,90,601
			Total including 12% GST			1,21,318	4,90,601
			Total (B)				6,11,919
C - Substitution of 90KVA LT connection instead of 11KV Electrical Sub-Station works							
1	MR	Supply installation of LT connection and other allied works (Done as substitution item instead of 11KV electrical sub station) excluding GST	Job	2,66,882	1.00	2,66,882.00	
			Total			2,66,882	
			Total Including GST			2,98,908	
			Total (C)				2,98,908
D - Deduction of 11 KVA Sub station							
1	MR	Supply installation of 11KV substation including HT Panel, transformer and other allied works (In original scope of work) excluding GST	Job	159/1338.63	1.0	159/1338.632	
			Total			15,91,339	
			Total including GST			17,82,299	
			Total (D)				17,82,299
			Total Amount Including GST (A+B+C-D)			42,66,081	
			Net amount Excluding GST			38,09,001	

Separate details for Main works and Additional works up to completion of work

A.	Sanctioned cost of the Project	Rs. 11,85,00,000/- including GST & PMC		
B.	Break up of cost after award of work: executed by M/s Kumar Enterprises & Co.			
Particulars	Tendered Cost	Cost after completion against tendered cost	Savings	
i Main works	8,78,00,000	8,70,22,092	7,77,908	
ii GST paid on i as per UC	1,05,36,000	1,04,42,651	93,349	
iii Architectural, Soil Invest.on and topo Survey by Geotechnical Agency	21,37,334	21,22,165	15,169	
iv GST on iii as per UC	3,69,290	3,66,559	2,730	
v WAPCOS Agency charges @ 3.95% on (i+iii)	35,52,525	35,21,198	31,327	
vi GST @ 18% on v	6,39,454	6,33,816	5,639	
Total of A (i+ii+iii+iv+v+vi)	10,50,34,603 (Cost after Tendering)	10,41,08,481	9,26,122	
C	Additional Items of Work executed by the Civil contractor as per the requirement of hostel building and direction of PMG i.e. Increase in area of Kitchen, Cloth Drying area, Watch tower above Guard room, increase in road			
Particulars	Details of Deviation			
i Cost up to completion	38,09,001			
ii GST paid on additional work as per UC	4,60,999			
iii Architectural, Soil Invest.on and topo Survey by Geotechnical Agency	74,276			
iv GST @ 18%	13,370			
v WAPCOS Agency charges @ 3.95%	1,53,389			
vi GST @ 18%	27,610			
Total of B (i+ii+iii+iv+v+vi)	45,38,645			
D	Separate Tender: Supply & Installation of furniture by M/s H.N Furniture			
Particulars	Cost of Furniture			
i Supply & installation of furniture	21,11,015			
ii GST @ 18%	3,79,983			
iii WAPCOS Agency charges @ 3.95%	84,385			
iv GST @ 18%	1,53,091			
Total of C (i+ii+iii+iv)	25,89,392			
E	Statutory fees for Map approval, Electrical Department, Water connection, Airport NDC, etc			8,70,436
Grand Total (B+C+D+E)	11,21,00,954			

Note: Refer Utilization Certificate dated 28-09-2022 for details



பெருமான கூட்டுரை / Pramanaik Kootturae
கலை மற்றும் பண்டிகை நிதி மன்றம் / Cultural and Sports Council
ஏற்கால நிபுண வாய்க்காடு நிதி / Aayukkai Nipun Niti
நெடுஞ்செழிய மாநகரம் / Netum Chembaram
புதுச்சேரி தெரு, திருச்செந்தூர் 605002, தமிழ்நாடு, இந்திய

Supplementary Agenda Item No.2

Construction of 300 Bedded Hostel at Dr. KSSR, Tughlakabad, New Delhi

The proposal for Construction of 300 Bedded Hostel at Dr. KSSR was approved in DPAC Meeting held on 28.6.2019 of cost of Rs. 26.77 Cr.

The work was awarded to M/s NBCC Ltd. The preliminary estimate was prepared at an estimated cost of Rs. 29.30 Cr. The escalation in preliminary estimate of Rs. 29.30 cr. was concurred in 95th Finance committee of SAI held on 08.02.2021 under the chairmanship of Secretary (Sports) MYA&S. The same was ratified by 55th GB on 28.09.2021. The amount above Rs. 26.77 Cr. was approved under the "SAI Block Grant/IR".

Administrative approval No. 25 dated 16.02.2021 for Rs. 29.30 Cr. was issued to M/s NBCC Ltd. and Rs. 2.93 Cr. were issued as advance as per MoU clauses.

The tender was awarded at the cost of Rs. 20.59 Cr. (inclusive of PMC charges and taxes) with a completion period of 15 months

Subsequently, M/s NBCC has intimated that as per the standard practice, the detailed BOQ was prepared on the approved conceptual architectural drawings and structural quantities calculated based on the trial pit made at site in order to start the work and complete the project in time. Deviations were incurred in the work as per requirements of the project/site, few deviations in quantities occurred due to change in IIT vetted drawings as intimated by the PMC, M/S NBCC. The detailed estimate was worked out as per the Good for construction drawings.

M/S NBCC has intimated that the total completion cost of the project will be Rs. 25,33,32,400/- (Twenty-Five Crore Thirty-Three Lakh Thirty-Two Thousand Four Hundred only) in place of the original cost of Rs. 20,59,51,588.58/- (Rupees Twenty corers Fifty-Nine Lakh Fifty-One Thousand Five Hundred Eighty-Eight and Fifty-Eight paisa only). The Deviation sheet is attached at Annexure -I.

Tabulated Form

Sr. No.	Description	Amount
1	Overall Sanctioned Cost	29,30,31,145.07
2	Tender Value	19,16,95,560.81
3	Deviation with no change in scope of work and no change/replacement of items	3,17,32,391.00
4	Extra Item/ Substituted Items without change in scope of work	1,84,99,774.95
5	Net effect due to Deviation and Extra/Substitute items (3+4)	5,02,32,165.95
6	Total Cost of Completion (2+5)	24,19,27,726.76
7	RA bill paid before 01.01.2022 (RA01 - RA06) With 12% GST	4,36,27,043.04
8	RA Bill paid after 31.12.2021 (RA07 – RA20) with 18% GST	14,70,82,076.36
9	RA bill to be paid till final bill incl. 12% GST {6 – (7 + 8)}	5,12,08,607.25

10	Additional amount of GST due to change @ 18% from 12%, W.e.f 01.01.2022 on 9	27,43,318.25
11	Total Value of bill to be booked in the Project (7+8+9+10)	24,56,71,045.01
12	PMC Charges @3% on 11	73,40,131.35
13	18 % GST on 12	13,21,223.64
14	Total expected completion cost	25,33,32,400.00

In addition to the above, Paralympic Committee of India (PCI) official also visited the Hostel and requested modification in the wheel chair bound rooms. In this regard M/S NBCC has submitted the of **Rs. 16,52,918/- (Sixteen Lakhs Fifty-Two Thousand Nine Hundred and Eighteen Rupees only)** for changing and modifications as per the PCI requirement and requested additional time frame for 02 Months to carrying out the foregoing works.

Sr. No.	Description	Amount (In Rs.)
1.	Total value of work done after deviation	25,33,32,400/-
2.	Value for changing in Para rooms (if approved)	16,52,918/-
3.	Total Value (1+2) inclusive of GST & PMC Centages etc.	25,49,85,318/-

The physical progress of the work is at 80%. Since, the work is being carried out at rates 30% below DSR rates. NBCC has informed that the existing contractor is ready to complete the work as per existing term and condition of contract.

In this regard, M/s NBCC has submitted the deviation statement and additional work to the tune of Rs. 25,49,85,318/- inclusive of PMC & taxes. The work is now completely stopped. M/s NBCC assured that the project will be completed within the stated expenditure sanction of 25.33 Cr including the cost of deviation. Further NBCC has intimated that the deviations due to extra items and deviations in quantities of schedule items have been approved by the Competent Authority of NBCC as per their contract conditions.

In view of the above, the total revised expenditure of Rs. 25,49,85,318/- incl. all charges (Twenty-Five Crore Forty-Nine Lakhs Eighty-Five Thousand Three Hundred Eighteen only) is submitted in accordance with Rule 141 of GFR 2017 for the concurrence of the Finance Committee. The expenditure will be met out of Khelo India scheme as it is within the Sanctioned cost

Concurrence of Finance Committee is solicited for approval of revised cost of Rs. 25,49,85,318/- incl. all charges (Twenty-Five Crore Forty-Nine Lakhs Eighty-Five Thousand Three Hundred Eighteen only) for Construction of 300 bedded Hostel at Dr. KSSR, Tughlakabad New Delhi.

Annexure -I

DEVIATION STATEMENT No-2

NAME OF WORK:-CONSTRUCTION OF 300 BEDDED HOSTEL AT DR KSSR, NEW DELHI.
AGENCY:- SHREE MAHAVIR CONSTRUCTIONS.
AGREEMENT No:- NBCCICPG/DRKSSR/HOSTEL/2021/290
DATE OF START:- 09.07.2021

S. No.	Item No.	Description	As Per BoQ				Actual			Variation in	
			Qty.	Unit	Rate	Amount	Quantity	Amonut	SAVINGS (-)	DEV (+)	%
1.0	1.1	CARRIAGE OF MATERIALS By Mechanical Transport including loading/unloading and st.acking	9,003.54	Cum	201.83	18,17,184.87	1,071.92	216346.44	1600838.43	0.00	-88%
1.1	1.1.1	Earth	6,138.72	Cum	261.00	16,02,205.92	12,015.85	3136135.78	0.00	1533929.86	96%
1.1.2	1.1.2	Beyond 20 KM									
1.2	1.1.18	Disposal of moor/building rubbish/ mabla/ similar unserviceable, dismantled or waste material by mechanical transport including loading, transporting, unloading to approved municipal dumping ground for lead upto 10 km for all lifts, complete as per directions of Engineer-in-charge.	2,000.00	Cum	284.60	5,69,200.00	0.00	0.00	569200.00	0.00	-100%
2.0		SUB HEAD 1-EARTH WORKS									
2.1	2.1	Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 cm on plan including getting out and disposal of excavated earth upto 50 m and lift upto 1.5 m, as directed by Engineer-in-Charge.	4,885.40	Sqm	92.55	4,52,143.77	0.00	0.00	452143.77	0.00	-100%
2.1.1	2.1.1	All kinds of soil									
2.2	2.6	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 cm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge.	5,540.64	cum	181.85	10,07,565.60	2,855.40	519253.67	488311.93	0.00	-48%
2.2.1	2.6.1	All kinds of soil									
2.3	2.7	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 cm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge.	3,462.90	cum	352.45	12,20,499.37	5,999.55	2114542.32	0.00	834042.95	73%
2.3.1	2.7.1	Ordinary rock									
2.4	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	692.58	cum	219.65	1,52,125.23	2,855.40	627187.62	0.00	475062.39	312%
2.5	2.25 a)	Excavating, supplying and filling of local earth (including royalty) by mechanical transport upto a lead of 5cm also including ramming and watering of the earth in layers not exceeding 20 cm in trenches, plinth, sides of foundation etc. complete	6,138.72	cum	323.90	19,88,331.41	12,015.85	3891932.48	0.00	190361.07	96%
2.6	2.26	Extra for every additional lift of 1.5 m or partthereof in excavation / banking excavated or stacked materials.									
2.6.1	2.26.	All Kind Of Soil	2,975.72	Cum	90.40	2,69,005.50	3,662.49	331088.76	0.00	62083.26	23%
2.7	2.27	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	57.80	Cum	1,953.05	1,12,886.29	0.00	0.00	112886.29	0.00	-100%
2.8	2.31	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish up to a distance of 50 m outside the periphery of the area cleared.	8,092.40	Sqm	12.55	1,01,559.62	3,200.00	40160.00	61399.62	0.00	-60%
2.9	2.33	Felling trees of the girth (measured at a height of 1 m above ground level) including cutting of trunks and branches, removing the roots and stacking of serviceable material and disposal of unserviceable material. Wood material shall be the property of the Owner and shall be disposed off as per the instructions of DCF/Owner, all complete as per specification and direction of Engineer-In-Charge.	25.00	each	380.60	9,515.00	0.00	0.00	9515.00	0.00	-100%
2.9.1	2.33.1	Beyond 35 cm girth upto and including 60 cm girth	15.00	each	1,694.40	25,416.00	0.00	0.00	25416.00	0.00	-100%
2.9.2	2.33.2	Beyond 60 cm girth upto and including 120 cm girth	5.00	each	7,860.55	39,302.75	0.00	0.00	39302.75	0.00	-100%
2.9.3	2.33.3	Beyond 120 cm girth upto and including 240 cm girth	5.00	each	15,749.95	78,749.75	0.00	0.00	78749.75	0.00	-100%
2.9.4	2.33.4	Above 240 cm girth									
2.10	2.35	Anti termite treatment Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion).									


NAGARJUNA
 Dr. General Manager (Engg.), A.U.C.I.
 NBCCIC Project Manager, Limited.
 A Unit of Godrej Properties Limited.
 Project Manager, Vihar, New Delhi

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S. No.	Item No.	Description	As Per BOQ				Actual	Variation in %
			Qty.	Unit	Rate	Amount		
2.11	2.35.3	Treatment of soil under existing floors using chemical emulsion @ one litre per hole, 300 mm apart including drilling 12 mm diameter holes and plugging with cement mortar 1 : 2 (1 cement : 2 Coarse sand) to match the existing floor.	2,923.05	sqm	227.05	6,63,678.50	2,830.31	64,2621.89
2.11.1	2.35.3.1	(With Chlorophosph/Lindane E.C. 20% with 1% concentration)	433.50	cum	152.20	65,978.70	0.00	65,978.70
2.12	2.37	Supply and stacking of Fly ash conforming to IRC- 58 at site, including carriage, loading , unloading & stacking up to any lead (measured stacks will be reduced by 20% for payment).	433.50	cum	152.20	65,978.70	0.00	65,978.70
2.13	2.38	Filling with available fly ash and earth (excluding rock) in trenches or embankment in layers (each layer should not exceed 15 cm), with intermediate layer of compacted earth (Soil density of 98%) after every four layers of compacted earth (fly ash sides & top layer of filling shall be done with earth having total minimum compacted thickness 30 cm or as decided by Engineer-in-charge, inclosing compacting each layer by rolling/ ramming and watering, all complete as per drawing and direction of Engineer-in-charge.	476.85	cum	219.65	1,04,740.10	0.00	104,740.10
Total:						1,02,80,088.38	15,19268.97	3629538.95
3.0	SUB HEAD 2- CONCRETE WORKS							4668719.54
3.1	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level.	232.50	cum	6,788.60	15,78,349.50	282.62	19,18610.97
3.2	4.1.3	1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20mm nominal size).	45.13	cum	6,680.20	3,01,491.88	0.00	34,02614.7
3.2.1	4.1.4	2 coarse sand (Zone-III) derived from natural sources : 4 graded stone aggregate 40mm nominal size derived from natural sources	460.82	cum	5,789.60	26,67,958.27	1,007.69	5834122.25
3.3	4.1.8	1:4:8 (1 Cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40mm nominal size).						
4.3	4.2	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor/etc., up to floor five level,excluding the cost of centering, shuttering and finishing.						
5.3	4.2.3	1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size)						
6.3	4.6	Providing and fixing at or near ground level precast cement concrete in kerbs, edgings etc. as per approved pattern and setting in position with cement mortar 1:3 (1 Cement : 3 coarse sand), including the cost of required centering, shuttering complete.						
7.3	4.6.1	1:1½:2 (1 Cement : 1½ coarse sand(zone-III) : 3 graded stone aggregate 20mm nominal size).						
8.3	4.7	Providing and fixing up to floor five level precast concrete solid block, including hoisting and setting in position with cement mortar 1:3 (1 cement : 3 coarse sand), cost of required centering, shuttering complete :						
9.3	4.7.1	1:1½:3 (1 Cement : 1½ coarse sand(zone-III) : 3 graded stone aggregate 20mm nominal size).						
10.3	4.10	Providing and laying damp-proof course 40mm thick with cement concrete						
11.3	4.12	Extra for providing and mixing water proofing material in cement concrete work @ 1 kg per 50kg of cement.						
3.4	4.13	Applying a coat of residual petroleum bitumen of penetration 80/100 of approved quality using 1.7kg per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.	135.00	sqm	110.00	14,850.0	0.00	14,850.00
3.5	4.17	Making plinth protecting 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation, leveling & dressing & finishing the top smooth.	386.14	sqm	614.05	2,43,251.30	328.23	20,1548.25
Total:						48,05,900.95	79,54281.47	358044.93
3.0	SUB HEAD 3- RCC WORKS							3506425.45
4.1	5.2	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement.						
4.1.1	5.2.2	1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) : 3 graded stone aggregate 20mm nominal size)	14.87	cum	9,305.00	1,38,392.78	0.00	138392.78
4.2	5.9	Centring and shuttering including strutting, propping etc. and removal of form for :	1,182.83	sqm	284.65	3,39,776.83	1,458.25	42,677.90
4.3	5.9.1	Foundations, footings, bases of columns, etc. for mass concrete.	1,411.74	sqm	609.30	8,60,175.98	2,190.14	13,34452.30
4.4	5.9.2	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	6,496.89	sqm	693.05	45,04,054.23	7,438.34	51,55142.30
4.5	5.9.3	Suspended floors, roofs, landings, balconies and access platform						
Total:								65,1088.97
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S. No.	Item No.	Description	As Per BOQ				Actual Quantity	Amount	SAVINGS (-)	DEV (+)	Variation In %
			Qty.	Unit	Rate	Amount					
4.6	5.9.4	Shelves	500.00	Sqm.	693.05	3,465.25	0.00	0.00	346525.00	0.00	-100%
4.7	5.9.5	Lintel, beams, plinth beams, girders, bressumers and cantilevers.	5.734.25	Sqm.	552.05	31,65,590.26	9,002.64	49,65990.55	0.00	1804318.33	57%
4.8	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	3,002.12	Sqm.	733.70	22,02,655.44	4,135.32	30,34084.28	0.00	831428.84	38%
4.9	5.9.7	Stairs, (excluding landings) except spiral-staircases.									
4.10	5.9.16	Edges of slabs and breaks in floors and walls									
4.10.1	5.9.16.1	Under 20 cm wide	1,776.43	metre	173.25	3,07,765.80	3,914.81	678240.83	0.00	370475.03	120%
4.11	5.9.19	Weather shade, Chajjas, cornels etc. including edges									
4.12	5.11	Extra for additional height in cantil., shoring where ever required with adequate bracing, propping etc. including cost of de-shutting and decentring at all levels over a height of 3.5 m. for every additional height of 1 metre or part thereof. (Plan area to be measured)									
4.12.1	5.11.1	Suspended floors, roofs, banding, beams and balconies (Plan area to be measured).	2,739.75	sqm	287.50	7,87,677.48	3,557.41	1022756.62	0.00	235079.14	30%
		REINFORCED CEMENT CONCRETE									
4.13	5.22	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.	1,18,096.25	kg	83.50	98,61,037.23	2,05,794.91	1718387.92	0.00	7322837.69	74%
4.13.1	5.22.	Thermo-Mechanically Treated bars of grade Fe-500 D or more.									
4.14	5.22	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.									
4.15	5.22	Thermo-Mechanically Treated bars of grade Fe-500 D or more.	3,55,535.34	kg	83.50	2,96,87,201.05	5,27,629.74	4057083.60	0.00	14369832.55	48%
		DESIGN MIX CONCRETE									
4.16	5.33	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work. Using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of cementing, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge."(Note :- Cement content considered in this item is @ 330 kg/cum.) *Excess/ less cement used as per design mix is payable/recoverable separately).									
4.16.1	5.33.	All works upto plinth level	1,553.40	cum	7,997.30	12,42,012.72	1,461.02	11684221.68	736791.04	0.00	-6%
4.17	5.34	All works above plinth level upto floor V level	1,930.02	cum	9,400.85	1,81,43,801.62	2,875.04	27027853.20	0.00	8884051.58	49%
4.18	5.34.	Extra for providing richer mixes at all floor levels Note:- Excess/less cement over the specified cement content									
1	5.34.	Providing M-30 grade concrete instead of M-25 grade BMC/ RMC. (Note:- Cement content considered in M-30 ls @ 340 kg/cum)	1,717.43	cum	69.75	1,19,790.68	2,906.86	202753.49	0.00	82962.81	69%
4.19	5.33.	Providing and fixing of expansion joint system related with floor location as per drawings and direction of Engineer-in-Charge. The joints system will be of extruded aluminum base members, self-aligning / self centering arrangement and support plates etc. per ASTM B22-02. The system shall be such that it provides floor to floor / floor to wall expansion control system for various vertical locations in load application areas that accommodates multi directional seismic movement without stress to its components. System shall consist of metal profiles with a universal aluminum base member designed to accommodate various project conditions and finish floor treatments. The cover plate shall be designed of width and thickness required to satisfy projects movement and loading requirements and secured to base members by utilizing manufacturer's pre-engineered self-centering arrangement that freely rotates / moves in all directions. The Self - centering arrangement shall exhibit circular sphere ends that lock and slide inside the corresponding aluminum extrusion cavity to allow freedom of movement and flexure in all directions including vertical displacement. Provision of Moisture Barrier Membrane in the Joint System to have watertight joint is mandatory requirement as per the manufacturers design and as approved by Engineer -in-Charge. (Material shall conform to ASTM 6063.)									
4.19.1	5.44.	Floor Joint of 100 mm gap	82.56	metre	6,849.15	5,65,465.62	27.36	187392.74	378073.08	0.00	-67%
4.19.2	5.44.	Floor Joint of 150mm gap									

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S. No.	Item No.	Description	As Per BOQ						Actual	Variation In %
			Qty.	Unit	Rate	Amount	Quantity	Amonut	SAVINGS (-)	DEV (+)
4.20	5.45	Providing and fixing of expansion joint system retained with wall joint (internal/ external) location as per drawings and direction of Engineer-in-Charge. The joints shall be of extruded aluminum base members, self aligning / centering arrangement and support plates as per ASTM E221-02. The material shall be such that it provides an Expansion Joints System suitable for vertical wall to wall/ wall to corner application, both new and existing construction in office Buildings & complexes with no slipping down tendency amongst the components of the Joint System. The Joint System shall utilize light weight aluminum profiles exhibiting minimal exposed surfaces mechanically snap locking the multicellular to facilitate movement. (Material shall conform to ASTM G063.)								
4.20.1	5.45.1	Wall Joint of 100 mm gap	21.06	metre	5,243.65	1,10,431.27	181.31	950726.18	0.00	840294.91
4.20.2	5.45.2	Wall Joint of 150mm gap								
4.2	5.46	Providing and fixing of expansion joint system of approved make and manufactures for various roof locations as per approved drawings and direction of Engineer-in-Charge. The joints shall be of extruded aluminum base members with, self aligning and self centering arrangement support plates as per ASTM E221-02. The system shall be such that it provides watertight roof to roof/roof to corner joint cover expansion control system that is capable of accommodating multidirectional seismic movement without stress to its components. System shall consist of metal profile that incorporates a universal aluminum base member designed to accommodate various project conditions movement and loading requirements and secured to base members by utilizing manufacturer's pre-engineered self-centering arrangement that freely rotates / moves in all directions. The Self-aluminum extrusion cavity to allow freedom of movement and flexure in all directions including vertical displacement. The Joint System shall resist damage or deterioration from the impact of falling ice, exposure to UV, airborne contaminants and occasional roof traffic from maintenance personnel. Provision of Moisture Barrier Membrane in the Joint System to have water tight joint is mandatory requirement. Material shall conform to ASTM G063.	27.52	metre	5,778.80	1,59,032.68	0.00	159032.58	0.00	
4.20.1	5.46.1	Roof Joint of 100 mm gap								
4.20.2	5.46.2	Roof Joint of 150mm gap								
Total:										
5.0 SUB HEAD 4-BRICK WORKS										
5.1	6.1	Brick work with common burnt day F.P.S. (non modular) bricks of class designation 7.5 in								
5.1.1	6.1.2	Cement mortar 1:4 (1 cement : 4 coarse sand)								
5.1.2	6.12	Half brick masonry with common burnt day F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in :	43.30	cum	6,157.45	26,69,254.58	601.16	3701612.64	0.00	1032358.06
5.2	6.12.2	cement mortar 1:4 (1 cement : 4 coarse sand)								
5.2.1	6.4	Brick work with common burnt day F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :	867.00	sqm	773.75	6,70,841.25	837.67	648145.62	22695.64	0.00
5.3	6.4.2	Cement mortar 1:6 (1 cement : 6 coarse sand)								
5.3.1	6.13	Half brick masonry with F.P.S. bricks of class designation 7.5 in superstructure above plinth level up to floor V level.	2,155.69	cum	7,596.45	1,63,62,630.59	2,698.60	20483614.56	0.00	4126960.97
5.4	6.13.2	cement mortar 1:4 (1 cement : 4 coarse sand)								
5.5	6.15	Extra for providing and placing in position 2 Nos. 6mm dia. M.S. bars at every third course of half brick masonry (with F.P.S. bricks).	3,338.75	sqm	932.10	31,12,048.88	4,935.94	4600790.61	0.00	1488741.73
5.6	6.47	Providing and laying autocaved aerated cement blocks masonry with 150mm/230mm/300 mm thick AAC blocks in super structure above plinth level up to floor V level with RCC band at sill level and lintel level with approved block laying polymer modified adhesive mortar all complete as per direction of Engineer-in-Charge. (The payment of RCC band and reinforcement shall be made for separately).	3,338.75	sqm	80.10	2,67,433.88	4,935.94	395368.87	0.00	127934.99
5.7	7.1	Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) upto plinth level with :	11.00	cum	6,636.95	73,006.45	0.00	73006.45	0.00	-100%
5.7.1	7.1.1	Cement mortar 1:6 (1 cement : 6 coarse sand	52.08	Cum	6,120.80	3,18,771.26	0.00	318771.26	0.00	-100%

HUNGARAJAN
C.E. & Project Manager
SNC Limited
NCC (India) Limited
A-Civil & India Limited
NCC India Project Manager

S. No.	Item No.	Description	As Per BOQ				Actual			Variation In %
			Qty.	Unit	Rate	Amount	Quantity	Amount	SAVINGS (-)	
5.8	7.38	Stone tile work for wall lining upto 10 m height with special adhesive over 12 mm thick bed of cement mortar 1:5 (1 cement : 3 coarse sand), including pointing in white cement with an admixture of pigment to match the stone shade.								
5.8.1	7.38.1	8mm thick (mirror polished and machine cut edge)								
5.8.2	7.38.1.1	Granite stone of any colour and shade	1,148.40	sqm	2,537.40	29,13,950.16	0.00	0.00	29,13,950.16	0.00
		Total:				2,63,87,937.05		298,29,529.30		-100%
5.0		SUB HEAD 5: MARBLE AND GRANITE WORKS								
6.1	8.2	Providing and fixing 18mm thick gang saw cut, mirror polished (premoulded and prepolished) machine cut for kitchen platforms, vanity counters, window sills , facias and similar locations of required size of approved shade, colour and texture laid over 20mm thick base cement mortar 1:4 (1 cement : 4 coarse sand) with joints treated with white cement, mixed with matching pigment, epoxy, touch ups, including rubbing, curing, moulding and polishing to edge to give high gloss finish etc. complete at all levels.								
6.1.1	8.2.2	Granite of any colour and shade	47.29	sqm	4,007.65	1,89,505.74	29.16	116,663.07	72,642.67	0.00
6.1.2	8.2.2.2	Area of slab over 0.50 sum. (Granite having basic rate not less than Rs. 2000 per sqm)								
6.2	8.3	Extra for providing edge moulding to 40 mm thick Sand stone counters, Vanities, Planter etc. including machine polishing etc., complete as per design approved by Engineer-in-Charge.	355.62	metre	1,33,802.03	251.20		94,514.00	39,288.03	0.00
6.2.1	8.3.2	Granite work	355.62	metre	434.25	1,54,427.99	0.00	0.00	15,442.79	0.00
6.3	8.4	Extra for fixing marble /granite stone over and above corresponding basic item, in facia and drops of width upto 150 mm with epoxy resin based adhesive including cleaning etc. complete.								
6.4	8.5	Extra for providing opening of required size & shape for wash basins/kitchen sink in kitchen platform, vanity counters and similar location in marble/Granite stone work including necessary holes for pillar bases etc. including rubbing and polishing of cut edges etc. complete.	165.00	each	734.55	1,21,200.75	0.00	0.00	12,120.75	0.00
6.5	8.14	Stone work (machine cut edges) for wall lining etc. (veneer work) upto 10 metre height, backfilling with a grout of average 12 mm thick cement mortar 1:3 (1 cement : 3 coarse sand) including pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade: (To be secured to the backfill and the sides by means of cramps and pins which shall be paid for separately).								
6.5.1	8.14.2	Red sand stone - Exposed face machine cut and table rubbed with rough backfilling.	21.00	Qty	5,770.60	1,20,132.60	0.00	0.00	12,013.26	0.00
6.5.2	8.14.2.5	40 mm thick.								
6.5.5	8.14.3	White sand stone - exposed face fine dressed with rough backfilling.	19.00	Qty	4,925.00	93,575.00	0.00	0.00	93,575.00	0.00
6.6.1	8.14.3.4	40 mm thick.								
		Total:				8,12,644.11		21,1377.07		0.00
7.0		SUB HEAD 6: WOOD AND PVC WORKS								
7.1	9.1	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately).								
7.1.1	9.1.1	Second class teak wood	17.48	cum	1,30,183.05	22,76,071.63	15.62	20,33,563.39	24,2508.24	0.00
7.2	9.21	Providing and fixing ISI marked flush door shutters conforming to IS: 2202 (Part I) non-decorative type, core of black board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and lace veneers on both faces of shutters:	857.82	sqm	1,886.70	16,93,916.98	691.64	13,04,907.75	38,800.924	0.00
7.2.1	9.21.1	35 mm thick including ISI marked Stainless Steel built hinges with necessarily screws.	857.82	sqm	401.40	3,60,384.95	691.64	27,76,22.29	82,762.66	0.00
7.3	9.23	Extra for providing tipping with 2nd class leak wood batters 25 mm minimum depth on all edges of shutters (cover all areas of door shutter to be measured) Over item no. 9.21, (excluding) provision for providing vision panel not exceeding 0.1 sum in all type of flush doors (cost of glass excluded). (overall area of door shutter to be measured):	160.00	sqm	173.95	27,832.00	0.00	0.00	27,832.00	0.00
7.4	9.24	Rectangular or square.	857.82	sqm	93.65	84,080.84	0.00	0.00	84,080.84	0.00
7.5	9.26	Extra for cutting rebate in flush door shutters (Total area of the shutter to be measured).								
7.6	9.7.7	Floating glass panels:								
7.6.1	9.7.7.2	5.0 mm thick glass panes (weight not less than 12.5 kg per sqm)	12.00	sqm	2,116.90	25,402.80	0.00	0.00	25,402.80	0.00
7.7	9.76	Providing and fixing bright finished brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete.	463.00	each	712.35	3,29,818.05	445.00	31,699.575	12,822.30	0.00
										-4%


 Dr. NAGARAJAN (E.N.G.)
 SPG Office, Jaffna, Sri Lanka
 MBCC (India) Ltd & MBCC
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 MBCC Project Manager, Nagarajan

S. No.	Item No.	Description	As Per BOQ			Quantity	Amount	Amonut	SAVINGS (-)	DEV (+)	Variation in %
			Qty.	Unit	Rate						
7.8	9.84	Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000 mm), with double speed adjustment with necessary accessories and screws etc. complete :	463.00	each	851.60	3.94.290.80	0.00	0.00	394290.80	0.00	-100%
7.9	9.96	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete :	463.00	each	257.15	1.19.060.45	0.00	0.00	119060.45	0.00	-100%
7.5.1	9.96.1	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :	463.00	each	75.00	34.725.00	333.00	24975.00	9750.00	0.00	-28%
7.10	9.97	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :	463.00	each	62.05	28.729.15	445.00	27612.25	1116.90	0.00	-4%
7.10.1	9.97.4	150x10 mm.									
7.11	9.100	Providing and fixing aluminium hanging floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete :	463.00	each	59.65	27.617.95	86.00	5128.90	22488.05	0.00	-31%
7.11.1	9.100.1	125 mm									
7.12	9.101	Providing and fixing aluminium hanging floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete.	463.00	each	62.05	28.729.15	445.00	27612.25	1116.90	0.00	-4%
7.12.1	9.101.2	Twin rubber stopper									
7.13	9.127	Providing & Fixing decorative high pressure laminated sheet of plain / wood grain in gloss / matt / suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 20464 Type S including cost of adhesive of approved quality.	463.00	each	717.65	10.24.502.79	1,383.27	892703.72	31799.07	0.00	-3%
7.13.1	9.127.2	1.0 mm thick.									
7.14	N.S1	Providing and fixing of non-metallic asbestos free composite fire gum smoke check door frame with shutter for 2 hrs Fire Rating door system duly tested for Stability, Integrity and Insulation as per criteria vide clause 9.4 as per IS 3614 Part -II and BS 476 Part 22 for single and double leaf doors tested from CBR1 Roorkee with following specifications 2nd class teakwood Door Frame of section 145mm x 70mm with heat activated intumescent fire seal strip of size 10mm x 4mm thick fire - smoke check wooden shutters of anti-termite fire retardant primer along Minimum 55mm Internal timber frame two minimum 3mm thick Starpan/Primalect "H" Calcium Silicate board, a 100% without asbestos, Brucite and Merschaum having density not more than 950 Kg/m ³ rock wool coated with FR silicon sealant density 98Kg/m ³ Faced with 3mm thick commercial ply facturing on both sides of the shutter with 65mm x 14mm beakwood lipsing all around the shutter Heat Intumescent fire seal strips of size 10mm x 4mm (astroflame U.K.) mounted in the grooves of hardwood lipping in three sides except bottom. The door shutter shall be finished with 1mm thick Laminated/decorative veneer on both faces as per the approved brand and shade Provision of vision panels of minimum size 300 x 300 mm made out of 6 mm thick clear fire rated glass (imported) for 120 minutes fire rating of Fireline (Japan)/ Asahi (Japan) Schott from (Germany) fully transparent in fire/non-fire conditions having minimum 52% transparency with complete fire rated gasket, channel & moulding bedding and filling the gap between moulding /bedding and glass with suitable sealant including fixing each shutter Fixing 4 Nos. stainless steel ball bearing hinges of size 100mm x 76mm x 3mm with screws from Marshall / Dorma's BB 4330 / Assa Alloy's Lockwood range. The door frame and door shutters shall be painted with fire retardant paint of 'BERGFR / SUKRI' or equivalent to provide Class 1 surface spread of flame conforming to BS 476 Part 7, IS : 12777 in desired shade over a coat of fire resistant.	18.50	sqm	14,509.00	2,68.416.50	0.00	0.00	268416.50	0.00	-100%
7.15		DEAD LOC-C: Providing and fixing 2 hours fire rated Dead Lock of Dorma 288 Series or Brian's EL 2010 or Marshall's MH-L-13002 SSS as Per European standard in satin stainless finish with 82mm both side key cylinder tested to minimum 100000 cycles and tested along with wooden / Metal fire doors for 2 hrs. fire rating from CBR1 Roorkee complete in all respect as per direction of Engineer-in-Charge.	5.00	each	5,010.00	25,050.00	26.00	130260.00	0.00	105210.00	420%


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 Certified Manager (Engg.)
 SPG Civil Engg. A.I.A.I.
 N.H.C. Head, Venkateswara
 A.C.C. Project Manager, Vellore

S. No.	Item No.	Description	As Per BOQ			Actual	Variation in				
Qty.	Unit	Rate	Amount	Quantity	Amount	SAVINGS (-)	DEV (+)	%			
7.16	ii	VISION PANEL : Providing and fixing vision panel of size 300 x 300 mm of minimum 5 mm thick clear toughened glass of approved make like Saint Gobain / Firelite (Japan) / Schott for 120min. fire rating which can also withstand thermal shock upto 800°C shall be used as a glazing. Vision Panel to be fixed with required beading and fire rated acrylic sealant tested in accordance with IS : 3614 Part -II and BS : 476 Part 20& 22 for 120min fire rating for stability and insulation criteria complete in all respect as per direction of Engineer-in-Charge. The manufacturer should have prior test certificates for both single leaf and double leaf fire doors from CBRi Roorkee for 2Hrs fire rating	5.00	each	3,779.00	18,895.00	52.00	196508.00	0.00	177613.00	940%
7.17	iii	DOOR CLOSER : Providing & Fixing extruded aluminium body heavy duty 2 hrs fire rated door closer of approved make of Dorma TS 93 series Duprin's LCN1460 / Marshall MH-DC-S-14016 (3-4) tested from CBRi Roorkee as per IS : 3614 Part -II and BS : 476 Part 20& 22 from CBRi Roorkee alongwith wooden / glazed / metal fire doors. The door closer shall be of type 3-4 * non handed having back check function , ANSABHIMA certified and complies with EN 1154 for 10000 cycles The door closer shall have a 10 year mechanical warranty from the manufacturer against any manufacturing defects.	5.00	each	3,712.00	18,560.00	52.00	193024.00	0.00	174464.00	940%
7.18	iv	D-TYPE HANDLE: Providing and fixing of Dorma's TGDID , Briton's E series and Marshall's 304 grade stainless steel D- Type back to back pull handle of size 300mm long and 22mm dia with complete roses and studs for fixing.	5.00	each	2,025.00	10,125.00	52.00	105300.00	0.00	95175.00	940%
7.19	v	PANIC BAR: Providing & fixing of stainless steel 316 grade fire rated touch type panic bar of approved make like Marshall MH -PB - SS -1001-03/ Dorma PHA 2000-1 and PHA 2003/ Von Duprin CX 98 tested in accordance with IS : 3614 Part - II and BS : 476 Part 20 & 22 from CBRi Roorkee for 2 hrs fire rating along with the wooden / glazed / metal fire doors, as a complete assembly. The manufacturer shall provide a minimum guarantee / warranty for 5 years against any manufacturing defects.	5.00	each	9,853.00	49,265.00	52.00	512356.00	0.00	463091.00	940%
7.20	vi	Providing and fixing of Hollow metal fire rated doors confirming to BS 476 part 20& 22 , IS 3614 part 1 & part-2 for stability and integrity with Pressed Galvanized Steel confirming to IS 277 with doors tested at CBRi/ NABL approved lab for maximum rating of 2hrs tested Glass used for vision panels to be supported by certificates confirming the required fire ratings / handles being a part of the fire door assembly. The Doors should be finished in Thermosetting Powder Coating desired RAL Shades and Fire Coating primer with VOC Content for Flat <50g/l, non flat <150 g/l. All Hardware should pass European certificate "CE" of conformity / UL with required fire ratings. Door frame shall be double reliable profile of minimum size 154mm X 77 mm made out of min 1.50mm minimum thick galvanized steel sheet . NDRC 15x4x77 Frames shall be Butt mortised and field assembled with self bolted provision should be mortised, drilled and tapped for receiving appropriate hardware. Frames should be provided with back plate bracket and anchor fasteners for installation on a finished plastered masonry wall opening. Door leaf shall be minimum 45mm thick fully flush double skin door with or without visionlite. Door leaf shall be manufactured from 1.0mm minimum thick galvanized steel sheet.	35.00	sqm	19,559.00	6,84,565.00	0.00	0.00	684565.00	0.00	-100%
7.21		The internal construction of the door should be rigid reinforcement pads for receiving appropriate hardware. The infill material shall be mineral wool treated with Viper FRS 881 LH/ Honey Comb Paper. All doors NSD 12049 shall be factory prepared for receiving appropriate hardware and provided with necessary reinforcement for hinges, locks, and door closers. The edges should be interlocked with a bending radius of 1.4mm. For pair of doors astragals has to be provided on the meeting stile for both active and inactive leaf. Visionlite wherever applicable should be provided as per manufacturers recommendation with a beading and screws from inside. All hardware shall be as specified in detailed specifications and to the satisfaction of engineer in charge. The work includes carrying out tests at CBRi/ NABL approved lab and certifies for 2 Hours fire rating as per relevant codes and standards.									


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 BHEL Office (BHEL), Udaipur
 NHDC (Pvt) Ltd, Udaipur
 A Govt. of India Participate
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S. No.	Item No.	Description	Qty.	Unit	Rate	Amount	Quantity	Amonut	SAVINGS (-)	DEV (+)	Variation in %
7.22	viii	Providing and fixing fire resistant door frame of section 50 x 60 mm on horizontal side & 35 x 60 mm on vertical sides having built in rebate made out of 1.6 mm thick GI sheet (zinc coating not less than 120g/m ²) suitable for mounting 120 min Fire Rated Glazed Door Shutters. The frame shall be filled with Mineral wool insulation having density min 96kg/m ³ . The frame will have a provision of G.I. Anchor fasteners 14 nos (5 each on vertical style & 4 on horizontal style of size M10 x 80 100x89x3mm for fixing in the opening along with Factory made Template for SS Ball Bearing Hinges of Size 100x89x3mm for fixing of fire rated glazed shutter. The frame shall be finished with a approved fire resistant primer or Powder coating of not less than 30 micron in desired shade as per the directions of Engineer in-charge. (Cost of SS ball bearing hinges is excluded).	30.00	sqm	33,427.00	10,02,810.00	0.00	0.00	1002810.00	0.00	-100%
7.23	x	Providing and fixing 60 mm thick glazed fire resistant door shutters of 120 min Fire Rating confirming to IS:3614 (Part II) or EN1634-1:1999 tested and certified as per laboratory approval by Engineer-in-charge, with suitable mounting on door frame, consisting of vertical styles, top rail & side rail 60 mm x 60 mm wide and bottom rail of 110 mm x 60 mm made out of 1.6mm thick G.I. sheet (zinc coating not less than 120g/m ²) duly filled mineral wool insulation having density min 96 kg/m ³ and fixing with necessary stainless steel ball bearing hinges of size 100x89x3mm of approved fire resistant primer or powder coating not less than 30 micron etc all complete as per direction of Engineer-in-charge (panelling to be paid for separately).									
7.24	x	Providing and fixing of Pyrobel-T in fire resistant door shutters, fixed panels & partitions etc. with G.I. bonding made out of 1.6 mm thick G.I. sheet (zinc coating not less than 120 g/m ²) of size 20 x 33 mm screwed with M4 x 38 mm SS screws at distance 75 mm from the edges and 150 mm o/c, including applying a coat of approved fire resistant primer/powder coating of not less than 30 micron on G.I. bonding, & special ceramic tape of 5 x 20 mm size etc complete in all respect as per NBC 2016, IS 16231 (Part 3):22: 6 and as per direction of Engineer-in-charge with glass of required thickness having 120 minutes of fire resistance both integrity & radiation control (EW120) and minimum 20 minutes of insulation (EI20). The manufacturer have to give test report/ certification of fire glass and the glass should have the stamp showing the value of E, EW & EI. The glass shall be tested in approved NABL accredited lab or by any other accreditation body which operates in accordance with ISO/IEC 17011 and acceptable labs as per ISO/IEC 17025 for testing and calibration scopes shall be eligible. The maximum glazing size shall not be more than 1100x2200 mm (w x h) or 242 sqmt.									
Total:									85,04,119.90	6120958.05	3398714.85
8.0 SUB HEAD 7- STEEL WORKS											
8.1	10.1	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position, and applying a priming coat of approved steel primer, all complete.	110.00	kg	86.05	9,465.50	0.00	0.00	9465.50	0.00	-100%
8.2	10.2	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	120.00	kg	101.75	12,210.00	0.00	0.00	12210.00	0.00	-100%
8.3	10.5	Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer.	22.00	sqm	4,428.15	97,419.50	8.80	38967.72	58451.58	0.00	-60%
8.4	10.13	Providing and fixing T-iron frames for doors, windows and ventilators of mild steel Tee-sections, joints riveted and welded, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.									
8.4.1	10.1 3.1	Fitting with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).	120.00	kg	106.45	12,774.00	0.00	0.00	12774.00	0.00	-100%
8.5	10.17	Providing and fixing M.S. fan clamp type I or II of 16 mm dia M.S. bar, bent to shape with hooked ends in R.C.C. slabs or beams during laying, including painting the exposed portion of loop, all as per standard design complete	350.00	each	171.15	59,902.50	0.00	0.00	59902.50	0.00	-100%

N.G. ARJAN
Ch. Controller of Works (E&I)
SRR Office (P.O.): A. U.P.
Noida, U.P., India
A. Cont. of Indr. Project Dept.
NEDC Phase Pragati Pashan, Dehradun

S. No.	Item No.	Description	As Per BOQ				Actual	Variation in %
			Qty.	Unit	Rate	Amount		
8.6	10.18	Providing and fixing circular/ Hexagonal cast iron or M.S. sheet box for ceiling fan clamp of internal dia 140mm. 73mm height, top lid of 1.5mm thick M.S. sheet box by means of 3.3mm dia. round headed screws, one lock at the corners. Clamp shall be made of 12mm dia M.S. bar bent to shape as per standard drawing.	350.00	each	172.25	60,287.50	0.00	60287.50 0.00 -100%
8.7	10.19	Providing and fixing mild steel round holding down bolts with nuts and washer plates complete.	1,050.00	kg	83.85	88,042.50	0.00	88042.50 0.00 -100%
8.8	10.25	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat, of approved steel primer using structural steel etc. as required.						
8.8.1	10.25.1 complete	In stringers, treads, landings etc. of stair cases, including use of chequered plate wherever required, all gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	4,504.50	kg	93.65	4,21,846.43	0.00	421846.43 0.00 -100%
8.8.2	10.25.2	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer.	1,141.50	kg	131.00	1,48,535.50	3,083.44	40,3930.64 0.00 254,394.14 174%
8.9	10.26							
8.9.1	10.26.1 M.S. tube	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required), plates etc., including necessary stainless steel nuts and bolts complete, lie fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-Charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	847.80	kg	145.65	1,23,482.07	0.00	123482.07 0.00 -100%
8.10	10.28		456.00	kg	575.45	2,62,405.20	6,521.74	37,52935.16 0.00 3490529.96 1330% Total:
9.0	8	SUB HEAD 8 : FLOORING WORKS						
9.1	11.3	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete.						
9.1.1	11.3.1	40 mm thick with 20 mm nominal size stone aggregate	1,350.60	sqm	498.35	6,73,071.51	0.00	673071.51 0.00 -100%
9.2	11.20	Chequered precast cement concrete tiles 22 mm thick in footpath & courtyard, jointed with neat cement slurry mixed with pigment to match the shade of tiles, including rubbing and cleaning etc.						
9.2.1	11.20.2	Medium shade pigment using 50% white cement 50% Grey cement	374.95	sqm	1,104.25	4,14,038.54	0.00	414038.54 0.00 -100%
9.3	11.26	Kota stone slab flooring over 20 mm (average) thick base laid over underlayment with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete with base of cement mortar 1:4 (1 cement : 4 coarse sand) :	4.07	sqm	1,531.85	6,234.63	1,572.01	24,080.85.05 0.00 2401850.42 38524%
9.3.1	11.26.1	Kota stone slabs 25 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick match the shade of the slabs, including rubbing and polishing complete.	952.52	sqm	1,810.05	17,24,108.83	1,155.49	20,91494.67 0.00 367385.84 21%
9.4	11.27	cement mortar 1:3 (1 cement 3 coarse sand) and jointed with grey cement slurry mixed with pigment to 40 mm thick fine dressed stone flooring over 20 mm (average) thick base of cement mortar 1:5 (1 cement : 5 coarse sand), including pointing with cement mortar 1:2 (1 cement : 2 stone dust) with an admixture of pigment to match the shade of stone.						
9.5	11.29	Red sand stone	58.00	sqm	1,074.55	62,323.90	0.00	62323.90 0.00 -100%
9.5.1	11.2	White sand stone	68.00	sqm	1,074.55	73,059.40	0.00	73069.40 0.00 -100%
9.6	8.31	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3 kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	2,297.21	sqm	1,030.30	23,66,815.46	2,980.76	30,71077.03 0.00 704261.57 30%
9.7	11.39	Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in colours White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement: 4 Coarse sand), including grouting the joints with white cement and matching pigments etc., complete.	489.00	sqm	1,088.40	5,32,227.60	429.49	46,7456.92 64,770.68 0.00 +12%


 NAGARAJAN
 Civil Engineer
 38/20 CITIC (P) LTD.
 NBCC (India) Limited
 A Govt. of India Enterprise
 NBCC Projects Division, New Delhi

S. No.	Item No.	Description	As Per BOQ			Actual	Amount	Savings (-)	DEV (+)	Variation in %
			Qty.	Unit	Rate					
9.8	NS2	Providing and laying heavy duty 15mm thick vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption's less than 0.08% and conforming to IS : 15622 of approved make in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) using spacers including grouting the joints with matching including Grouting the joints of flooring tiles having joints with minimum 3-4 mm width, using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per Kg), including filling / grouting and finishing complete as per direction of Engineer-in-charge complete.	4.904.52	sqm	1,806.80	88,61,486.74	0.00	0.00	88,61,486.74	0.00
9.9	NS3	Providing and laying heavy duty 15mm thick vitrified s in different sizes thickness to be specified by manufacturer, with water absorption less than 0.08 % and conforming to IS : 15622 of approved make, in all colours & shade, in skirting, riser or steps, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm	185.26	sqm	1,806.80	3,34,727.77	0.00	0.00	3,34,727.77	0.00
9.9.1	NS3.	Size of Tile 600x600 mm	2,619.25	sqm	241.45	6,32,418.43	4,176.19	1008340.63	0.00	375922.20
9.10	11.48	Providing and laying flamed finish Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per Kg), including filling / grouting and finishing complete as per direction of Engineer-in-charge complete.	1,151.10	sqm	2,476.45	28,50,641.60	0.00	28,50,641.60	0.00	-100%
9.10.1	11.4	Size of Tile 600x600 mm	148.80	sqm	3,526.60	5,24,758.08	375.86	1325507.88	0.00	800740.80
9.11	11.55.1	Providing and laying flamed finish Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge :	1,151.10	sqm	2,476.45	28,50,641.60	0.00	28,50,641.60	0.00	-100%
9.12	11.56	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge.	1,151.10	sqm	2,476.45	28,50,641.60	0.00	28,50,641.60	0.00	-100%
9.12.1	11.56.1	Polished Granite stone slab jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent.	1,151.10	sqm	2,476.45	28,50,641.60	0.00	28,50,641.60	0.00	-100%
Total:			1,90,55,922.49		1,90,55,922.49	10,371,962.18		13,334,130.14	46,50,169.83	153%
10.0 SUB HEAD 9.-ROOFING WORK										
10.1	12.41.	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13562 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion. (i) Single socketed pipes.	110.00	metre	305.05	33,555.50	0.00	0.00	33,555.50	0.00
10.1.1	12.41.2	10 mm diameter	165.00	metre	237.25	39,146.25	1,151.77	27,3257.43	0.00	-100%
10.2	12.21	Providing and laying gola 75x75mm in cement concrete M15 grade including finishing with Cement mortar 1:3 (1 cement : 3 fine sand) as per standard design in 75x75 mm deep chase.	110.00	metre	305.05	33,555.50	0.00	0.00	33,555.50	0.00
10.3	12.22	Making khuras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1 m x 1 m x 400 micron, finished with 12 mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete.	110.00	each	244.05	26,845.50	199.00	48,565.95	0.00	21720.45
										81%

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B.T.
NAGARJUN
Op. General Manager (Engineering)
G. C. C. S. Ltd., Vizag
NBCC Ltd., Vizag
Arch. Chk. of Fresh Intake
NBCC Projects Vizag, Nellore (AP)

S. No.	Item No.	Description	Qty.	Unit	Rate	Amount	Quantity	Amount	Savings (-)	Actual	Variation in %
10.4	12.45	Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.5 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 5mm dia bolts, other flange of cleat fixed to the angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 25 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing of ceiling fixed to wall/partition with the help of raw plugs at 450 mm centre, with 25mm long dry wall perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of raw plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound, jointing tapes, finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with :									
10.4.1	12.45.1	12.5 mm thick tapered edge gypsum plain board conforming to IS: 2095-(Part I) : 2011 (Board with Bis certification marks)	1,632.70	Sqm	1,117.65	18,24,787.16	0.00	0.00	1824787.16	0.00	-100%
10.4.2	12.45-3	12.5 mm thick tapered edge gypsum moisture resistant board	494.10	Sqm	1,256.20	6,35,511.42	0.00	0.00	635511.42	0.00	-100%
10.5	12.54	Providing and fixing GI Clip in Metal Ceiling System of 500x600 mm module which includes providing and fixing 'C' wall angle of size 20x30x20 mm made of 0.5 mm thick pre painted steel along the perimeter of the room with help of nylon sleeves and wooden screws at 300 mm center to centre, suspending the main C carrier of size 10x38x10 mm made of GI steel 0.7 mm thick from the soffit with help of soffit cleat 37x27x25x16 mm, raw plugs of size 38x12 mm and C carrier suspension clip and main carrier bracket at 1000 mm c/c, inverted triangle shaped Spring Tee having height of 24 mm and width of 34 mm made of GI steel 0.45 mm thick is then fixed to the main C carrier and in direction perpendicular to it at 600 mm centers with help of suspension brackets. Whenever the main C carrier and spring T have side inclusive, fixing with clip in tiles into sprung T with :									
10.5.1	12.54.2	GI Metal Ceiling Clip in plain Bevelled edge global white color tiles of size 600x600 and 0.5 mm thick with 25 mm height, made of GI sheet having galvanizing of 100 gms/sqm (both sides inclusive) and coated of thickness 60 microns (minimum), including factory painted after bending and perforation.	161.40	Sqm	1,881.60	3,03,690.24	0.00	0.00	303690.24	0.00	-100%
Total:											
11.0	10	SUB HEAD 10 - FINISHING WORKS					28,63,536.07	32,1823.38	2797544.32	255831.63	
11.1	13.1	12 mm cement plaster of mix :									
11.1.1	13.1.2	16 (1 cement : 6 fine sand)									
11.2	13.2	15 mm cement plaster on the rough side of single or half brick wall of mix :									
11.2.1	13.2.2	16 (1 cement : 6 fine sand)									
11.3	13.12	18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement: 5 coarse sand) and a top layer 6mm thick cement plaster 1:3 (1 cement: 3 coarse sand) finished rough with sponge.	2,743.33	Sqm	416.55	11,42,732.03	18,663.32	7774205.95	0.00	6631473.92	580%
11.4	13.16	6 mm cement plaster of mix :									
11.4.1	13.16.1	13 (1 cement : 3 fine sand)									
11.5	13.21	Extra for providing and mixing water proofing material in cement plaster work in proportion recommended by the manufacturers. Per bag of 50 kg cement used in the mix									

S. No.	Item No.	Description	As Per BOQ				Actual		Variation in %
			Qty.	Unit	Amount	Quantity	Amount	SAVINGS (-)	
11.6	13.22	Extra for plastering exterior walls of height more than 10 m from ground level for every additional height of 3 m or part thereof.							
11.7	13.26	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete	19.512.12	sqm	196.70	38.38.034.00	0.00	0.00	3838034.00 0.00 -100%
11.8	13.33	Pointing on stone work with cement mortar 1:3 (cement: 3 fine sand) :							
11.8.1	13.33.2	Raised and cut pointing							
11.9	13.41	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade:							
11.9.1	13.41.1	New work (two or more coats) over and including water tinnable priming coat with cement primer.	1.138.93	sqm	232.00	2.64.230.60	13.282.62	3081567.84 0.00	281737.24 1066%
11.10	13.45	13.45.1 New work (Two or more coats applied @ 3.28 ltr/10 sqm) over and including priming coat of exterior primer applied @ 2.20kg/10 sqm.							
11.11	13.46	Finishing walls with Acrylic Smooth exterior paint of required shade :							
11.11.1	13.46.1	New work (Two or more coats applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)							
11.12	13.62	Painting with synthetic enamel paint of approved brand and manufacture required colour to give an even shade:							
11.12.1	13.62.1	Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	4.940.98	sqm	177.15	8.75.294.61	4.113.37	728683.50 0.00	-17%
11.13	13.80	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.							
11.13.1	13.81	Distempering with 1st quality acrylic distemper, having VOC (Volatile Organic Compound) content less than 50 grams/litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour.							
11.13.2	13.81.2	Two coats							
11.14	13.82	Wall staining with acrylic emulsion paint (Volatile Organic Compound) content less than 50 grams/litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour.	568.08	sqm	81.90	46.525.75	1.975.55	16798.35 0.00	115272.61 248%
11.14.1	13.82.2	Two coats							
11.15	NS4	Providing, supplying, installation and finishing with paint and putty of GRC Screens (Jaali) of minimum thickness 50mm on facade as per drawing and dimensions approved by Engineer In Charge including cost of M.S. framed Structure required to mount the screens including all necessary hardwares.	13.241.96	sqm	106.80	14.14.241.33	35.64.1.03	3806462.00 0.00	2392220.67 169%
		Total:							
12.0	11	SUB HEAD 11 - ALUMINUM WORKS							
12.1	21.1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners etc. Aluminium sections shall be smooth, rust free, straight, mited and jointed mechanically whenever required. Including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete ss per architectural drawings and the directions of Engineer-in-Charge. (Gazing and paneling to be paid for separately):	1.441.26	sqm	4.500.00	64.85.670.00	70.47	332097.00 315557.30	0.00 0.00 -49%
12.1.1	21.1.1	For fixed portion							
12.1.2	21.1.1.2	Powder coated aluminium (minimum thickness of powder coating 50 micron)	7.296.30	kg	456.30	32.88.234.69	9.848.27	4493764.85 0.00	1205530.16 37%
12.2	21.1.2	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making fixings shall be paid for separately).							
12.2.1	21.1.2.2	Powder coated aluminium (minimum thickness of powder coating 50 micron)	360.32	kg	546.35	1.96.858.10	8.088.35	4419068.51 0.00	4222210.41 2145%
12.3	21.3	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer-in-Charge. (Cost of aluminium snap beading shall be paid in basic item):							
12.3.1	21.3.2	With flat glass panes of 5 mm thickness (weight not less than 12.50 kg/sqm)	704.79	sqm	1.286.40	9.09.800.56	924.14	1198058.41 0.00	288257.85 32%

S. No.	Item No.	Description	As Per BOQ				Actual	Variation in %
			Qty.	Unit	Rate	Amount		
12.4	21.4	Providing and fixing double action hydraulic floor spring of approved brand and manufacture conforming to IS : 6515, having brand logo embossed on the body / plate with double spring mechanism and door weight upto 125 kg, for doors, including cost of cutting floors, embedding in floors as required and making good the same matching to the existing floor finishing and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineer-in-charge.						
12.4.1	21.4.1	With stainless steel cover plate minimum 1.25 mm thickness						
12.5	21.8	Filling the gap in between aluminium frame, Upvc frame & adjacent RCC/ Brick/ Stone work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete.	157.00	each	2,412.50	3,78,762.50	0.00	378762.50 0.00 -10%
12.5.1	21.8.1	Upto 5mm depth and 5 mm width	1,507.20	metre	79.45	1,19,747.04	5,353.72	425353.05 0.00 305606.01 25%
12.6	21.14	Providing and fixing anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868. Minimum anodic coating of grade AC 15) sub frame work for windows and ventilators with extruded built up standard tubular sections of approved make conforming to IS: 733 and IS: 1285, fixed with dash fastener of required dia and size (Dash fastener to be paid for separately).						
12.7	21.17	Providing and fixing anodised aluminium grill (anodised transparent or dyed to required shade according to IS: 1868 with minimum anodic coating of grade AC 15) of approved design/pattern, with approved standard section and fixed to the existing window frame with C.P. brass/ stainless steel screws @ 200 mm centre to centre, including cutting the grill to proper opening size for fixing and operation of hardware and fixing approved anodised aluminium standard section around the opening, all complete as per requirements and direction of Engineer-in-charge. (Only weight of grill to be measured for payment).						
12.8	21.18	Providing and fixing 12 mm thick frameless toughened glass door shutter of approved brand and manufacturer, including providing and fixing top & bottom pivot & spring type fixing arrangement and making necessary holes etc. for fixing required door fittings, all complete as per direction of Engineer-in-charge. (Door handle, lock and stopper etc. to be paid separately).	21.00	sqm	4,447.90	93,405.90	14.76	65651.00 27754.90 0.00 -30%
Total:						49,86,808.79	10601695.84	406517.40 6021604.45
13.0	SUB HEAD-12-WATER PROOFING WORKS							
13.1	22.3	Providing and laying water proofing treatment to vertical and horizontal surfaces of depressed portions of W.C., kitchen and the like consisting of:						
		(i) 1st course of applying cement slurry @ 4.4 Kg/Sqm mixed with water proofing compound to IS 2645 in recommended proportions including rounding off junction of vertical and horizontal surfaces. (ii) 1nd course of 20mm cement plaster 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound in recommended proportion including rounding off junction of vertical and horizontal surfaces. (iv) 1Vth course of applying blown or residual bitumen applied hot at 1.7 Kg. per Sqm of area. (iii) 1Vth course of 400 micron thick PVC sheet (Overlaps at joints of PVC sheet should be 100 mm wide and pasted to each other with bitumen @ 1.7 Kg/Sqm.)						
13.2	22.7	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc consisting of following operations: (a) Applying slurry coat of neat cement using 2.75 Kg/Sqm of cement admixed with water proofing compound conforming to IS: 2645 and approved by Engineer-in-charge over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment. (b) Laying brick bats with mortar using broken bricks/brick bats 25 mm to 115 mm size with 50% of cement mortar 1:5 (1 cement : 5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge over 20 mm thick layer of cement mortar of mix 1:5 (1 cement : 5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge to required slope and treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs.	601.76	Sqm	705.70	4,24,663.57	1,753.25	1237268.53 0.00 812604.96 191%

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NAGARJUNA
 General Manager (Tengal)
 SPCL Chittapur (B) & U-2
 NSCC (India) Limited
 A Unit of NSCC Projects Private Limited
 NSCC Projects Private Limited

S. No.	Item No.	Description	As Per BOQ				Actual	Variation in %
			Qty.	Unit	Rate	Amount		
		(c) After two days of proper curing applying a second coat of cement slurry using 2.75 kg/m ² of cement admixed with water proofing compound conforming to IS : 2845 and approved by Engineer-in-charge. (d) Finishing the surface with 20 mm thick jointless cement mortar of mix 1:4 (1 cement : 4 coarse sand) including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300x300 mm square 3 mm deep. (e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test. All above operations to be done in order and as directed and specified by the Engineer-in-Charge :						
13.2.1	22.7.1	With average thickness of 120 mm and minimum thickness at khura as 65 mm	2,790.22	\$qm	1,398.50	39,02,118.47	3,099.45	4334580.83
13.3	22.22	Providing and mixing integral crystalline admixture for water proofing treatment to RCC structures like basement raft, retaining walls, reservoir, sewage & water treatment plant, tunnels / subway and bridge deck etc. at the time of transporting or concrete into the drum of the ready-mix truck using integral crystalline admixture @ 0.80% (minimum) to the weight of cement content per cubic meter of concrete or higher as recommended by the manufacturer's specification in reinforced cement concrete at site of work. The material shall meet the requirements as specified in ACI-212-3R-2010 DIN 1048 and resistant to 16 bar hydrostatic pressure. The crystalline admixture shall be capable of self-healing of cracks up to a width of 0.50mm. The work shall be carried out all complete as per specification and the direction of the Engineer-in-charge. The product performance shall carry guarantee for 10 years against any leakage.	273.42	kg	387.20	1,05,869.00	0.00	105869.00
13.4	22.2	Providing and laying integral cement based treatment for water proofing on the vertical surface by fixing specified stone slab 22 mm to 25 mm thick with cement slurry mixed with water proofing compound conforming to IS:2845 in recommended proportion with a gap of 20 mm (minimum) between stone slabs and the receiving surfaces and filling the gaps with neat cement slurry mixed with water proofing compound and finishing the exterior of stone slab with cement mortar 1:3 (1 cement : 3 coarse sand) 20 mm thick with neat cement slurry mixed with water proofing compound in recommended proportion complete at all levels and as directed by Engineer-in-charge :	250.00	\$qm	1,738.00	4,34,500.00	132.35	230031.25
13.4.1	22.2.1	Using Rough Kota Stone						
13.5	22.1	Providing and laying integral cement based treatment for water proofing on horizontal surface at full depth below ground level for under ground structures as directed by Engineer-in-Charge and consisting of : (i) 1st layer of 22 mm to 25 mm thick approved and specified rough stone slab over a 25 mm thick base of cement mortar 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound conforming to IS:2845 in the recommended proportion over the levelling course (levelling course to be paid separately). Joints sealed and grouted with cement slurry mixed with water proofing compound. (ii) 2nd layer of 25 mm thick cement mortar 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound in recommended proportions. (iii) Finishing top with stone aggregate of 10 mm to 12 mm nominal size spreading @ 8 cu.m/sem thoroughly embedded in the 2nd layer.	150.00	\$qm	1,353.70	2,03,055.00	130.59	176774.27
13.5.1	22.1.1	Using Rough Kota Stone						
13.5.1	22.1.1	Total:						5978654.87
14.0	DSR 2018	SUB HEAD 13: HORTICULTURE AND LAND SCAPING						336618.43
14.1	CPWB_HO RT-2.1	Trenching in ordinary soil up to a depth of 60 cm including removal and stacking of serviceable materials and area to proper levels by filling with earth or earth mixed with sludge or / and manure before and after flooding trench with water (excluding cost of imported earth, sludge or manure).	2,931.24	Cum	68.70	2,01,376.19	2,931.24	201376.19
14.2	HORT-2.3	Supplying and stacking sludge at site including royalty and carriage up to 5 km (sludge measured in stacks will be reduced by 3% for payment).	732.81	Cum	276.90	2,02,915.09	732.81	202915.09
14.3	HORT-2.4	Supplying and stacking manure from approved source, including carriage up to 5 km Complete						0.00
14.4	HORT-2.4.1	Screened through sieve of 1.S. designation 20mm	488.54	Cum	229.95	1,12,339.77	488.54	112339.77
14.5	HORT-2.8	Spreading of sludge, dump manure and/or good earth in required thickness as per direction of officer-in-charge	732.81	Cum	46.15	33,819.18	732.81	33819.18

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S No.	Item No.	Description	As Per BOQ			Quantity	Amount	Amout	SAVINGS (-)	DEV (+)	Variation in %
			Qty.	Unit	Rate						
14.6	HORT-2.28	Preparation of mounds of various size and shape by available excavated / supplied earth in layers not exceeding 20 cm in depth, breaking clods, watering of each layer, dressing etc., lead upto 50 meter and lift upto .5 m complete as per direction of Officer-in-charge.	488.54	Cum	401.30	1.96,051.10	488.54	196051.10	0.00	0.00	0%
14.7	HORT-2.57	Plantation of Trees, Shrubs, and Hedge at site [i]c) watering and removal of unserviceable materials as per direction of officer-in charge (excluding cost of plant & water)	78.00	Each	6.40	499.20	78.00	499.20	0.00	0.00	0%
14.8	HORT-2.57.1	Trees Plant	304.00	Each	3.20	972.80	304.00	972.80	0.00	0.00	0%
14.9	HORT-2.57.2	Shrubs Plant	405.00	Each	2.15	870.75	405.00	870.75	0.00	0.00	0%
14.10	HORT-2.57.3	Hedge Plant									
14.11	CHAPTER 3.0 FOLIAGE AND SHADE LOVING PLANTS										
14.11	3.3	Providing and displaying of Aglaonema Parrot Jungle plant (three in one), having ht-30 cm and above with 20 to 25 leaves, well developed, fresh & healthy in 25 cm size of Earthen Pot/Plastic pot & as per direction of the officer-in-charge.	40.00	Each	67.65	2,706.00	40.00	2706.00	0.00	0.00	0%
14.12	3.38	Providing and displaying of Croton Peitra Bangalore variety plant, having ht- 60 cm to 75 cm with 4 to 6 branches, well developed, fresh and healthy colorful leaves in 25 cm size of Earthen pot/Plastic pot & as per direction of the officer-in-charge.	40.00	Each	344.40	13,776.00	40.00	13776.00	0.00	0.00	0%
14.13	3.18	Providing and displaying of Areca Palm having ht- 90 cm to 120 m with 4 to 5 suckers, well developed, fresh and healthy with lush green foliage in 25 cm size of Earthen pot/Plastic pot & as per direction of the officer-in-charge.	35.00	Each	157.85	5,524.75	35.00	5524.75	0.00	0.00	0%
	SUB HEAD 4.0 SEASONAL PLANTS										
14.14	4.1	Providing and Displaying of Allium white in full bloom well developed fresh & healthy in 20 cm Earthen Pot/Plastic Pot and as per direction of the officer-in-charge.	34.00	Each	43.05	1,463.70	34.00	1463.70	0.00	0.00	0%
14.15	4.6	Providing and Displaying Asiatic lily hybrid variety (3 in one) plants in each pot having In full bloom 3 to 5 flowers 30 to 45 cm ht. well developed in 25 cm Earthen oil/Plastic Pot and as per direction of the officer-in-charge.	40.00	Each	129.15	5,166.00	40.00	5166.00	0.00	0.00	0%
14.16	4.20	Providing and Displaying Coleus broad leaves having 3 to 4 branches equal well developed with fresh & healthy foliage in different colour in 25 cm Earthen Pot/Plastic Pot and as per direction of the officer-in-charge.	25.00	Each	54.35	1,358.75	25.00	1358.75	0.00	0.00	0%
	SUB HEAD 5.0 ORNAMENTAL PLANTS										
14.17	5.3	Providing and Displaying Alcyonia red well developed with fresh & healthy 30 to 45 cm ht. in 20 cm size Earthen Pot/Plastic Pot as per direction of the officer-in-charge.	22.00	Each	41.00	902.00	22.00	902.00	0.00	0.00	0%
14.18	5.12	Providing and Displaying Bougainvillea named variety Sobhra, Thima, Marry palmar, Cherry Blossom etc. well developed with fresh & healthy bushy plant in full bloom 75 to 90 cm ht. in 40 cm Cement Pot as per direction of the officer-in-charge.	29.00	Each	322.90	9,364.10	29.00	9364.10	0.00	0.00	0%
	SUB HEAD 6.0 GROUND COVERS PLANTS										
14.19	6.1	Providing and stacking of Alpine Variegated foliage in 25 cm size of Earthen Pot/Plastic Pot & as per direction of the officer-in-charge.	80.00	Each	124.05	9,924.00	80.00	9924.00	0.00	0.00	0%
14.20	6.3	Providing and stacking of Asparagus marin, well developed 15 to 20 Leaves full of branches and foliage in 25 cm size of Earthen Pot/Plastic Pot & as per direction of the officer-in-charge.	60.00	Each	56.40	3,384.00	60.00	3384.00	0.00	0.00	0%
	TOTAL SUB 7.0: TREE PLANTS										
14.21	7.16	Providing and stacking of Cassia fistula (Amritash) of height 120-135 cm. in big poly bags of size 25 cm as per direction of the officer-in-charge.	26.00	each	65.00	1,690.00	26.00	1690.00	0.00	0.00	0%
14.22	7.30	Providing and stacking of Albizzia lebbek of height 150-165 cm. in bag of size 25 cm as per direction of the officer-in-charge.	22.00	each	65.00	1,430.00	22.00	1430.00	0.00	0.00	0%
14.23	7.10	Providing and stacking of Acacia auriculiformis of ht 150-165 cm in bag size of 25 cm as per direction of the officer-in-charge.	14.00	each	65.00	910.00	14.00	910.00	0.00	0.00	0%
14.24	7.59	Providing and stacking of Mimosa pudica (Maustril) of height 180-195 cm. well developed with thick stem in big in big size HDPE bag as per direction of the officer-in-charge.	8.00	each	125.00	1,000.00	8.00	1000.00	0.00	0.00	0%
14.25	7.53	Providing and stacking of Mangifera indica (Mango-grated) of height 60-75 cm. in big poly bag of size 25 cm as per direction of the officer-in-charge.	8.00	each	55.00	440.00	8.00	440.00	0.00	0.00	0%
14.26	8.54	Providing and stacking of Nyctanthes arbor-tristis (Hasingar) of ht. 90-105 cm in Earthen pots of size 20 cm as per direction of the officer-in-charge.	80.00	Each	40.00	3,200.00	80.00	3200.00	0.00	0.00	0%

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 Dr. Ganesha Kumar, IAS (Retd.)
 S/o CC (Retd.) IPS
 Nagarjuna
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 Nagarjuna

S. No.	Item No.	Description	As Per BOQ				Actual		Variation In	
			Qty.	Unit	Rate	Amount	Quantity	Amount	SAVINGS (-)	DEV (+)
14.27	8.10	Providing and stacking of Bauhinia acuminate height 60-75 cm. in earthen pots of size 20 cm as per direction of the officer-in-charge.	75.00	Each	45.00	3,375.00	75.00	3375.00	0.00	0.00
14.28	8.30	Providing and stacking of Gardenia jasminoides of height 45-60 cm. with 3-4 branches in earthen pots of size 20 cm as per direction of the officer-in-charge.	65.00	Each	50.00	3,250.00	65.00	3250.00	0.00	0.00
14.29	5.38	Providing and Displaying Topiary of Ficus Bush King well developed with fresh & healthy foliage from Top to bottom with single pillar 60 to 75 cm spread 210 to 225 cm ht., in 35 cm Cement Tray/Cement Pot as per direction of the officer-in-charge.	50.00	Each	1,291.50	64,575.00	50.00	64575.00	0.00	0.0%
14.30	5.28	Providing and Displaying Ficus Starlight with fresh healthy and attractive foliage 45 to 60 cm spread 75 to 90 cm ht. specimen bush, in 35 cm Cement Pot as per direction of the officer-in-charge	34.00	Each	861.00	29,274.00	34.00	29274.00	0.00	0.0%
SUB HEAD 10.0: LAWN										
14.31	2.34	Providing & laying Selection no. 1 grass turf with earth 50mm to 60mm thickness of existing ground prepared with proper level and ramming with required tools wooden and than rolling the surface with light roller make the surface smoothen and light watering the same maintenance for 30 days or more till the grass establish property, as per direction of officer-in charge	3,382.75	Sqm	84.35	2,85,334.96	3,382.75	285334.96	0.00	0.00
Total:							11,96,892.34			
15.0 SUB-HEAD 14.-ROAD WORKS							11,96,892.35			
15.1	16.75	Providing and laying C.C. pavement of mix M-25 with ready mixed concrete from batching plant. The ready mixed concrete shall be laid and finished with screed board vibrator, vacuum dewatering process and finally finished by floating, brooming with wire brush etc. complete as per specifications and directions of Engineer-in-charge. (The panel shuttering work shall be paid for separately). (Note:- Cement content considered in this item is @ 330 kg/cum. Excess cement used as per design mix is payable/ recoverable separately).	155.00	Cum	8,663.05	13,42,772.75	168.98	1463847.54	0.00	121074.79
15.2	16.63	Providing, laying and making Kerb channel 30 cm wide and 50 mm thick with cement concrete 1:3:6 (1 cement: 3 coarse sand:6 graded stone aggregate 20 mm nominal size) over 75mm bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including finishing the top smooth etc. complete and as per direction of Engineer-in-charge.	540.00	Sqm	483.00	2,60,820.00	296.82	143364.06	117455.94	0.00
15.3	16.68	Providing and laying 60mm thick factory made cement concrete interlocking paver block of M-30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with fine sand etc. all complete as per direction of Engineer-in-charge.	464.00	Sqm	859.35	3,98,738.40	917.87	788772.44	0.00	390034.04
15.4	16.69	Providing and laying at or near ground level factory made kerb stone of M-25 grade cement concrete in position to the required line, level and curvature jointed with cement mortar 1:3 (1 cement : 3 coarse sand) including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm) including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast, C.C. Kerb stone shall be approved by Engineer-in-charge).	81.00	cum	8,376.15	6,78,468.15	34.08	285442.44	393025.71	0.00
15.5	16.89	Providing and laying tile finished vitrified tile of size 300x300x8 mm having with water absorption less than 0.5% and conforming to IS: 15622. of approved make in all colours and shades in for outdoor floors such as footpath, court yard, multi modals location etc. laid on 20mm thick base of cement mortar 1:4 (1 cement : 4 coarse sand) in all shapes & patterns including grouting the joints with white cement mixed with matching pigments etc. complete as per direction of Engineer-in-Charge.	108.00	Sqm	1,264.80	1,36,598.40	0.00	0.00	136598.40	0.00
Total:							28,17,397.70			
16.0 SUB-HEAD 15.-DRAINAGE							26,81426.48			
16.1	19.19	Providing and fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality 19.19.1.D-2.5	10.00	each	1,859.50	18,595.00	0.00	0.00	18595.00	0.00
16.1.1	19.19.4	EHD - 35 Circular shape 550 mm internal dia	150.00	metre	754.45	1,13,167.50	446.10	336560.15	0.00	223392.65
16.1.2	19.19.4.1	Circular shape 550 mm internal dia	150.00	metre	754.45	1,13,167.50	446.10	336560.15	0.00	223392.65
16.2	19.6	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars joined with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete.								-100%
16.2.1	19.6.3	250 mm dia. R.C.C. pipe								
Total:							1,31,762.50			


 Dr. General Manager
 SPCL Chinnapalli P.O. A. U.P.
 NBCC (India) Limited
 A Govt. of India Public Sector Enterprise
 NBCC Plaza, Chinnapalli, New Delhi

S. No.	Item No.	Description	As Per BOQ				Actual	Savings (-)	Dev (+)	Variation In %
			Qty.	Unit	Amount	Quantity				
		TOTAL OF CIVIL WORK			19,02,63,169.04		23,495,5651.36	38601969.33	83294451.65	
1		SANITARY FIXTURES								
1.1	NS-6	Providing and fixing wall hung water closet of approved shape & make including providing & fixing concealed cistern with dual flush fitting, seat cover, and cistern fittings, nuts, bolts and gasket etc complete. Make - KOHLER or Equivalent Make etc., including accessories etc., including making good walls, hedge plate, health faucet etc., with C.I. brackets, 15 mm dia CP Brass single hole basin mixer of good quality and make, including painting of fittings and brackets, cutting and making good the walls wherever required:-	157	Set	29,124.00	45,72,468.00	162.00	47,18088.00	0.00	145620.00 3%
1.2	NS-7	Providing and fixing wash basin with C.I. brackets, 15 mm dia CP Brass single hole basin mixer of approved quality and make, including painting of fittings and brackets, cutting and making good the walls	157	Set	19,509.00	30,62,913.00	168.00	32,77512.00	0.00	214599.00 7%
1.2.1	a	White Vitreous China Wash basin with a 15 mm CP Brass single hole basin mixer Make KOHLER								
1.2.2	b	EASIN MODEL No. 25316IN-L0								
1.2.3	c	MIXER MODEL No. 28928IN-4ND-CP								
1.2.4	d	WASTE COUPLING : MODEL NO. 45432IN-CP								
1.2.5	e	BOTTEL TRAP : MODEL NO. 75823IN-CP								
1.3	NS-8	Providing and fixing Braided Hoses with Two 15mm CP Brass Nuts & Rubber Washers Without Nipple. (Suitable for Gevers and basins) of approved make :-								
1.3.1	a	Without Nipple. (Suitable for Gevers and basins) of approved make :-								
1.3.2	b	15 mm nominal bore								
1.4	NS-9	Providing and fixing toilet paper holder : Make - KOHLER								
1.5	a	MODEL No. - 25070IN-CP								
1.5	NS-10	Providing, Fixing, testing and commissioning of CP brass coat hook with concealed screws.	157	each	2,055.00	3,22,635.00	162.00	3,32910.00	0.00	10275.00 3%
1.6	NS-11	Providing & fixing C.P. brass wall brackets & C.P. brass screws complete as required SIZE 60MM X20MM	157	each	1,196.00	1,67,772.00	162.00	1,93752.00	0.00	5980.00 3%
1.7	NS-12	Providing, Fixing, testing and commissioning of CP brass towel ring hook with concealed screws.	157	each	3,083.00	4,84,031.00	158.00	4,87114.00	0.00	3083.00 1%
1.8	NS-13	Providing and fixing C.P. brass shower rose with arm and flange 15 or 20 mm inlet	157	each	1,366.00	2,14,462.00	158.00	2,15828.00	0.00	1366.00 1%
1.9	NS-14	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931.	157	each	3,051.00	4,79,007.00	158.00	4,82056.00	0.00	3051.00 1%
(a)		15 mm nominal bore								
1.10	NS-15	Providing and fixing soap Dish.	768	each	1,808.00	13,88,544.00	850.00	15,36800.00	0.00	14826.00 11%
1.11	NS-16	Providing and fixing horizontal/vertical Hot water geyser made of MS body with copper jacket inside with necessary inlet, outlet, drain, overflow, vent and all safety accessories etc. complete including cutting and making good the walls, whenever required.	157	each	850.00	1,33,450.00	162.00	13,7706.00	0.00	4250.00 3%
a)		26 lit for Shower (Base Price Rs. 10,000)								
1.12	NS-17	Providing and fixing white vitreous china with integrated sensor unit shall have pre & post flushing with water, having water inlet from back side, including fixing to wall with suitable brackets all as per manufacturers specification and direction of Engineer-in-charge.	3	each	48,420.00	1,45,260.00	3.00	1,45260.00	0.00	0.00 0%
1.13	NS-18	Providing and fixing backlit mirror with all desired fittings as per the approved make & model. Mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete. Make - KOHLER Model NO - 23265IN or Equivalent	160	each	3,725.90	5,96,144.00	162.00	6,03595.80	0.00	7451.80 1%
1.14	18.50	Providing and fixing C.P. brass/ SS long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms.	460	each	618.80	2,64,646.00	20.00	12,3760.00	0.00	160886.00 57%
18.50.1		15 mm nominal bore								
1.15	18.52	Providing and fixing C.P. brass/ SS stop cock (concealed) of standard design and of approved make conforming to IS:8931.	157	each	606.25	2,425.00	4.00	2,425.00	0.00	0.00 0%
18.52.1		15 mm nominal bore(drinking area)								
1.16	NS-19	Supply installation and commissioning of water cooler having nominal cooling capacity of 40 litres per hours, with 100 litres storage tank with 2 nos. of faucets, one on goose neck type and other one fountain type both with separate mechanical lever control with 1.5 HP electric motor for 230 volts 50 Hz AC power supply with complete accessories including cutting and making wall 35 required.(Assume for drinking bottins)	8	Each	58,314.00	4,66,512.00	8.00	466512.00	0.00	0.00 0%

S. No.	Item No.	Description	As Per BOQ			Quantity	Amount	Amout	SAVINGS (-)	DEV (+)	Variation in %
			Qty.	Unit	Rate						
1.17	NS-20	Supply installation testing and commissioning water purifier comprising 5 micron filter and UV sterilizer on cold water supply in drinking water cooler to work on single phase 230 V 50Hz AC Power supply with capacity 120lph (Aquaguard make). (Assume for drinking points)	8	Each	49,470.00	3,95,760.00	8.00	395760.00	0.00	0.00	0%
1.18	NS-21	Providing and fixing type Stainless steel Disabled Grab Bar of 32 mm Daimler . Base price Rs.6200	5	each	8,384.88	41,924.40	10.00	83848.80	0.00	41924.40	100%
1.19	NS-22	Providing and fixing S. Steel Grab Rail 600mm long 32mm dia complete in all respect. Base price Rs. 500	5	each	2,028.60	10,143.00	10.00	20286.00	0.00	10143.00	100%
1.20	NS-23	Providing and fixing electrically operated Stainless steel SS-304 hand sanitizer of capacity 2000ml complete in all respect. Base Price: Rs.10,000	1	each	13,382.00	13,382.00	1.00	13382.00	0.00	0.00	0%
SUB TOTAL - I						1,51,00,104.40		15479506.60	216597.00	595993.20	
2 II SOIL, WASTE, VENT & RAIN WATER PIPES											
2.1	NS-25	Providing and fixing Acoustic Multilayer Polypropylene pipe including all necessary fittings and special required as per EN 1451 Part 1-6 with 3 layer pipe and one layer fittings in PP MD, push-fit type Halogen and Cadmium free, having high impact resistance as per DIN EN ISO 291:2008-08 Ring stiffness SNB 6kNm/m ² as per ISO 9699, offering sound levels of 19 dBA as per EN 14366 at a flow rate of 4 l/s, water tightness as per EN 1451-1 minimum of 0.5 bar for 15 minutes, density of pipe = 1.2- 1.4 gms/cm ³ , elongation = 0.09mm/mmK and E modulus 2300-3000 as per ISO 178, along with factory filter EPDM lip ring, Fire Behavior Classification according to EN 13501-1:2009 & classified D-s2-d2 (EN 13501-1), meets the requirements of EN 4102-2 with Fire Classification B2, Smoke Development Category Q1 & Drip Formation category TR1.									
2.1.1	NS-25.1	32 mm nominal bore	213	Metre	285.00	56,445.00	0.00	0.00	56445.00	0.00	-100%
2.1.2	NS-25.2	40 mm nominal bore	210	Metre	290.00	60,900.00	0.00	0.00	60900.00	0.00	-100%
2.1.3	NS-25.3	50 mm nominal bore	386	Metre	375.00	1,44,750.00	0.00	0.00	144750.00	0.00	-100%
2.1.4	NS-25.4	110 mm dia	1625	metre	1,350.00	21,93,750.00	4080.85	5509147.50	0.00	3315397.50	151%
2.1.5	NS-25.5	160 mm dia	430	metre	1,610.00	6,92,300.00	304.52	496277.20	0.00	292022.80	-29%
2.2	NS-26	Providing, fixing, jointing, testing and commissioning UPVC (Class III) Rain water down take pipe conforming to IS:4985 cut to required lengths including all necessary fittings and specials. Fixing at wall/ceiling level supported by galvanized steel clamps & hangers etc. Making proper connection with cement solvent joint as per BIS / manufacturer. Cutting, chases / holes in floors / walls / slab.	35	metre	750.00	26,250.00	52.80	39600.00	0.00	13350.00	51%
2.2.1	NS-26.1	110 mm dia	430	metre	1,265.00	5,43,950.00	348.30	440599.50	103550.50	0.00	-19%
2.2.2	NS-26.2	160 mm dia									
2.3	18.77	Cutting holes up to 15x15 cm in R.C.C. floors and roofs for passing drain pipe etc. and repairing the hole after insertion of drain pipe etc. with cement concrete 1:2.4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), including finishing complete so as to make it leak proof.	50	each	344.60	17,230.00	47.20	162651.20	0.00	145421.20	844%
2.4	NS-27	Providing waste pipes of PPE pipe with two or three inlets fittings, connection with saddle, to receive waste pipes from fixtures waste.	182	Each	650.00	1,18,300.00	223.00	144950.00	0.00	26650.00	23%
2.5	NS-28	Providing and fixing SS grating with frame including fixing to the floor with cement mortar.	182	Each	685.00	1,24,670.00	35.00	23875.00	100695.00	0.00	-81%
2.5.1	NS-28.1	150mm dia	336	Each	402.00	1,35,072.00	508.00	204216.00	0.00	69144.00	51%
2.5.2	NS-28.2	100mm dia									
2.6	NS-29	Providing & fixing of cast brass clean out plug with suitable insert keys for opening in: brass cap, male threaded joint with threaded G.I. socket fixed to HCl soil pipe or C.I.(LA) pipe joints as required complete in all respects.	10	Each	1,403.00	14,030.00	0.00	0.00	14030.00	0.00	-100%
2.6.1	NS-29.1	100 mm dia	10	Each	1,904.00	19,040.00	0.00	0.00	19040.00	0.00	-100%
2.6.2	NS-29.2	150 mm dia	336	Each	732.00	2,45,952.00	342.00	250344.00	0.00	4332.00	2%
2.7	NS-30	Providing and fixing floor drain points formed out of 100 X 50mm dia reducing elbow embedded in floor all complete in all respect as directed.									
SUB TOTAL - II						43,92,639.00		7285760.40	701233.30	3574354.70	


 NAGARAJAN
 Dy. General Manager (Bldg.)
 Smt. CEC Office (Bldg. 5, U-2);
 HCCC, Sector 10, Mohali, Punjab-160062.
 A Member of Maxus Holdings Group.
 HCCC Projects Private Limited, Mohali, Punjab-160062.

S. No.	Item No.	Description	As Per BOQ				Actual		Variation in	
			Qty.	Unit	Rate	Amount	Quantity	Amonut	SAVINGS (-)	DEV (+)
III INTERNAL WATER SUPPLY										
3.1	18.7	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.								
3.1.1	18.7.1	Internal work- Exposed on wall 15 mm dia. nominal bore	metre	241.55		0.00	0.00	0.00		
3.1.2	18.7.2	20 mm dia. nominal bore	metre	306.95		0.00	0.00	0.00		
3.1.3	18.7.3	25 mm dia. nominal bore	metre	369.20		0.00	0.00	0.00		
3.1.4	18.7.4	32 mm dia. nominal bore	metre	480.55		0.00	0.00	0.00		
3.1.5	18.7.5	40 mm dia. nominal bore	metre	648.60		0.00	0.00	0.00		
3.1.6	18.7.6	50 mm dia. nominal bore	metre	903.50		0.00	0.00	0.00		
3.1.7	NS-31.1	65 mm dia. nominal bore	metre	1,065.00		0.00	0.00	0.00		
3.1.8	NS-31.2	80 mm dia. nominal bore	metre	1,350.00		0.00	0.00	0.00		
3.1.9	NS-31.3	100 mm dia. nominal bore	metre	1,620.00		0.00	0.00	0.00		
3.2	18.8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases, and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc.								
Concealed work including cutting chases and making good the wall.										
3.2.1	18.8.1	15 mm dia nominal bore	metre	409.65	13,562.18.70	546.11	223713.96	1135504.74	0.00	-84%
3.2.2	18.8.2	20 mm dia nominal bore	metre	478.15	1,14,756.00	3223.31	15411225.68	0.00	142646.968	1243%
3.2.3	18.8.3	25 mm diameter pipe	metre	561.95	1,10,142.20	668.66	488143.49	0.00	378001.29	343%
3.3	18.18	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete								
3.3.1	18.18.1	15 mm nominal bore	each	338.70	57,240.30	0.00	0.00	57240.30	0.00	-100%
3.3.2	18.18.2	20 mm nominal bore	each	386.40	97,372.80	0.00	0.00	97372.80	0.00	-100%
3.3.3	18.18.3	25 mm nominal bore	each	394.00	32,702.00	236.00	92984.00	0.00	60282.00	184%
3.4	18.17	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end);								
3.4.1	18.17.2	32 mm nominal bore.	each	581.25	2,906.25	5.00	2906.25	0.00	0.00	0%
3.4.2	18.17.3	40 mm nominal bore	each	676.40	6,784.00	10.00	6784.00	0.00	0.00	0%
3.4.3	18.17.4	50 mm nominal bore	each	869.20	8,692.00	10.00	8692.00	0.00	0.00	0%
3.5	18.38	Painting G.I. pipes and fittings with synthetic enamel white paint with two coats over a ready primed priming coat, both of approved quality for new work;								
3.5.1	18.38.1	15 mm diameter pipe	meter	15.20	63,247.20	0.00	0.00	63247.20	0.00	-100%
3.5.2	18.38.2	20 mm diameter pipe	meter	18.15	45,157.20	0.00	0.00	45157.20	0.00	-100%
3.5.3	18.38.3	25 mm diameter pipe	meter	23.70	24,150.30	0.00	0.00	24150.30	0.00	-100%
3.5.4	18.38.4	32 mm diameter pipe	meter	28.40	4,771.20	0.00	0.00	4771.20	0.00	-100%
3.5.5	18.38.5	40 mm diameter pipe	meter	33.40	2,571.80	0.00	0.00	2571.80	0.00	-100%
3.5.6	18.38.6	50 mm diameter pipe	meter	39.80	3,502.40	0.00	0.00	3502.40	0.00	-100%
3.5.7	NS-32.1	65mm diameter pipe	meter	60.00	6,600.00	0.00	0.00	6600.00	0.00	-100%
3.5.8	NS-32.2	80mm diameter pipe	meter	63.00	33,615.00	0.00	0.00	33615.00	0.00	-100%
3.5.9	NS-32.3	100mm diameter pipe	meter	106.00	12,826.00	0.00	0.00	12826.00	0.00	-100%
3.6	11(FIRE DSR)	bronze/gummetal seat duty butterfly valve of PN 1.6 rating with testing and commissioning of butterfly valve of PN 1.6 rating with nuts, bolts, washers, gaskets conforming to IS 13095 off following sizes as required								
3.6.1	11.3	65 mm nominal bore	each	4,149.00	29,043.00	7.00	29043.00	0.00	0.00	0%
3.6.2	11.4	80 mm nominal bore	each	4,842.00	53,262.00	11.00	53262.00	0.00	0.00	0%


 NAGARJUKA
 On behalf of Nagarkotla Engineers & Constructors
 NBCC (India) Limited
 A Govt. of India Public Sector Enterprise
 M/s CCL Pte. Ltd. Singapore

S. No.	Item No.	Description	As Per BoQ			Quantity	Amount	Amout	SAVINGS (-)	DEV (+)	Variation in %
			Qty.	Unit	Rate						
3.6.3	11.5	100 mm nominal bore	18	each	6,454.00	1,16,172.00	18.00	116,172.00	0.00	0.00	0%
3.7	18.19	Providing and fixing gun metal non-return valve of approved quality (screwed end) :									
3.7.1	18.19.1	25 mm nominal bore									
3.7.2	18.19.1.1	Horizontal	2	each	477.70	955.40	2.00	955.40	0.00	0.00	0%
3.7.3	18.19.1.2	Vertical	2	each	504.45	1,008.90	2.00	1008.90	0.00	0.00	0%
3.7.4	18.19.2	32 mm nominal bore									
3.7.5	18.19.2.1	Horizontal									
3.7.6	18.19.2.2	Vertical	2	each	641.75	1,283.50	2.00	1283.50	0.00	0.00	0%
3.8	NS-33	Providing and fixing of approved make float operated ball valve with Brass/copper heavy duty float confirming to IS 9762 & other associated accessories & works etc., complete. For 50 mm dia pipe	2	each	708.65	1,417.30	2.00	1417.30	0.00	0.00	0%
3.9	DSR(E/M)	Providing and fixing proprietary polished outer mechanical protection ON nitrile rubber insulation comprising of wrapping with poly glass tape helically wound and subsequently applying 2 coats of Project Manager / Consultants.	2	each	1,078.00	2,156.00	2.00	2156.00	0.00	0.00	0%
3.9.1	16.2.14	Project Manager / Consultants.	450	metre	625.00	2,81,250.00			281250.00	0.00	-100%
		25 mm dia. nominal bore(19 mm thick insulation)(assume for pantry.)									
		SUB TOTAL - III									
4	IV	EXTERNAL WATER SUPPLY									
4.1	18.9	Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings. This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge.									
4.1.1	18.9.1	15 mm dia	20	Meter	202.85	4,057.00	0.00	0.00	4057.00	0.00	-100%
4.1.2	18.9.3	25mm dia	20	Meter	326.65	6,533.00	0.00	0.00	6533.00	0.00	-100%
4.1.3	18.9.4	32 mm dia	20	Meter	413.70	8,274.00	0.00	0.00	8274.00	0.00	-100%
4.1.4	18.9.5	40 mm dia	50	Meter	536.75	26,837.50	0.00	0.00	26837.50	0.00	-100%
4.1.5	18.9.6	50 mm dia	100	Meter	791.75	79,165.00	603.90	52557.64	44,611.44	66438.44	428%
4.1.6	18.9.7	62.50 mm dia	10	Meter	1,552.30	15,523.00	52.80	81961.44	0.00	82663.93	4205%
4.1.7	18.9.8	75 mm dia	10	Meter	1,985.85	19,656.50	430.50	846298.43	0.00	82663.93	4205%
4.1.8	18.9.9	100mm dia	10	Meter	2,779.65	27,795.50	228.80	635983.92	0.00	608187.42	2188%
4.2	18.33	Constructing masonry brick work in cement mortar 1:4 (1 cement : 4 fine sand) for sluice valve, with C.I. surface box 100mm top diameter, 160 mm bottom diameter and 80 mm deep (inside) with chained lid and RCC top slab 1:2:4mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) necessary excavation foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12mm thick finished with a floating coat of neat cement complete as per standard design.									
4.2.1	18.33.1	With common burnt clay F.P.S (non modular) bricks of class designation 7.5	5	each	9,288.40	46,442.00	11.00	102172.40	0.00	55730.40	120%
4.3	18.60	Providing and fixing enclosed type water meter (bulk type) conforming to IS : 2373 and tested by Municipal Board complete with bolts, nuts, rubber insertions etc. (The lid pieces if required will be paid separately);									
4.3.1	18.60.1	80 mm dia nominal bore	2	each	3,576.10	7,152.20	2.00	7152.20	0.00	0.00	0%
4.4	18.61	Providing and fixing C.I. dirt box strainer for bulk type water meter with nuts, bolts, rubber insertions etc. complete conforming to IS : 2373	2	each	4,097.90	8,195.80	2.00	8195.80	0.00	0.00	0%
		SUB TOTAL - IV									
5	V	EXTERNAL SEWAGE AND STORM WATER									
		2.49,634.50									
		22,07340.62									
		45,701.50									
		20,03407.62									

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NAGARJU JAIN
 General Manager (U.P.)
 SMC Office (P.C.), A.U.D.
 NHCC (India), I.M.R.C.
 A. Govt. of India's First Exporter
 ABC-C Media, Pragati Vihar, New Delhi-110020

S. No.	Item No.	Description	As Per BoQ				Actual			Variation in %	
			Qty.	Unit	Rate	Amount	Quantity	Amonut	SAVINGS (-)		
5.1	2.10	Excavating trenches of required width for pipes, cables etc. including excavation for societies and dressing of sides, ramming of bottoms, depth upto 1.5 M including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cms in depth including consolidating each deposited layer by ramming, water etc. and disposing of surplus excavated soil as directed, within a lead of 50 m. All kinds of soil.	771	Metre	364.20	280,798.20	985.48	358911.82	0.00	78112.62 28%	
5.1.1	2.10.1.2	Pipes, cables etc. exceeding 80 mm dia but not exceeding 300 mm dia. Metre	50	Meter	317.05	15,852.50	26.80	8496.94	7355.56	0.00 -45%	
5.2	19.1	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete :	50	Meter	999.15	49,957.50	0.00	0.00	49957.50	0.00 -100%	
5.2.1	19.1.1	100 mm diameter	5.3	19.2	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete as per standard design:	50	Meter	999.15	49,957.50	0.00	49957.50 0.00
5.3.1	19.2.1	100 mm diameter S.W. pipe	5.4	19.4	Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water-tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design:	65	Each	2,413.65	1,56,887.25	77	185851.05 0.00
5.4.1	19.4.3.	180x150 mm size P type	5.4.2	19.4.3.2	With Sewer bricks conforming to IS : 4885 Providing & Fixing HDPE (High Density Polyethylene) pipes in accordance to IS 1433:1996 EN 1519-1 (EN 12666-1, pipes pressure PE-80) & tempering (heat reversion radial & axial dimension; < 0.6% & <1.0% respectively) in accordance to DIN 8075, pipes wall thickness as per EN-1519 1 (Indicated on pipe). The pipes are manufactured allowing maximum operating pressure condition of 20 C for 50 yrs. including all HDPE fittings i/c fixing (As per BS EN 12056, Part2), the pipe with clamps at 5.00 m spacing. This includes the cost of cutting fusion welded (Electro Sleeve Coupling or butt Welding) and making good the same complete as per direction of Engineer in Charge.	297	Metre	2,100.00	6,23,700.00	0.00	0.00 623700.00 0.00
5.5.1	NS-34.1	150 mm dia	5.5.2	NS-34.2	250 mm dia	424	Metre	2,950.00	12,50,800.00	323.68	54,856.00 25944.00 0.00 -100% -24%
5.6	19.7	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) RCC top slab with 1:2.4 mix (1 cement : 2 coarse sand: 4 graded stone aggregate 20 mm nominal size) foundation concrete 1:4:8 mix (1 cement : 4 coarse sand: 8 graded stone aggregate 40 mm nominal size) inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement making channels in cement concrete 1:2.4 mix (1 cement : 2 coarse sand): 4 graded stone aggregate 20 mm nominal size)finished with a floating coat of neat cement complete as per standard design.	5.6.1	19.7.1	Inside size 80x80 cms and 45 cms deep including C.I. cover with frame (light duty) of cover 23 kg and weight of frame 15 kg	6	Each	10,905.05	65,450.30	43.00	488917.15 0.00 403486.85 617%
5.6.2	19.7.2	Inside size 120x90 cm and 90 cm deep including C.I. cover with frame (medium duty) 500 mm internal diameter, total weight of cover and frame to be not less than 116 kg (weight of cover 58 kg. and weight of frame 58 kg);	5.6.2.1	19.7.2.1	With common burnt clay F.P.S. (non modular) bricks of class designation 75	30	Each	22,939.65	6,88,189.50	23.00	527611.95 160577.55 0.00 -23%
5.7	19.7.3	Inside size 120x90 cm and 90 cm deep including C.I. cover with frame (heavy duty) 560 mm internal diameter, total weight of cover and frame to be not less than 208 kg (weight of cover 108 kg and weight of frame 100 kg);	5.7.1	19.7.3.2	With Sewer bricks conforming to IS : 4885	30	Each	28,657.15	8,59,714.50	0.00	859714.50 0.00 -100%
5.8	19.8	Extra for depth for manholes :	5.8.1	19.8.1	Size 90x80 cm	3	Meter	7,503.00	22,509.00	6	45018.00 0.00 25509.00 100%
5.8.2	19.8.2	Size 120x90 cm									

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S. No.	Item No.	Description	As Per BOQ				Actual			Variation in	
			Qty.	Unit	Rate	Amount	Quantity	Amount	Savings (-)	Dev (+)	%
5.8.2.1	19.8.2.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in cement mortar 1:4 (1 cement : 4 coarse sand), inside cement plaster 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement, foundation concrete 1:3.6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size), and making necessary channel in cement concrete 1:2.4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement, all complete as per standard design.	3	Meter	8,984.60	26,983.80	0.00	26983.80	0.00	-100%	
5.9	19.9	0.91 m deep with S.F.R.C. cover and frame (heavy duty, HD-20 grade designation) 560 mm internal diameter conforming to I.S. 12592, total weight of cover and frame to be not less than 182 kg, fixed in cement concrete 1:2.4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) including centering, shuttering, all complete. (Excavation, foot rests and 12mm thick cement plaster at the external surface shall be paid for separately)*									
5.9.1	19.9.1	0.91 m deep with S.F.R.C. cover and frame (heavy duty, HD-20 grade designation) 560 mm internal diameter conforming to I.S. 12592, total weight of cover and frame to be not less than 182 kg, fixed in cement concrete 1:2.4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) including centering, shuttering, all complete. (Excavation, foot rests and 12mm thick cement plaster at the external surface shall be paid for separately)*									
5.9.1.1	19.9.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5 Extra depth for circular type manhole 0.91m internal dia (at bottom) beyond 0.91 m to 1.67 m	30	Each	11,058.10	3,31,143.00	0.00	0.00	331143.00	0.00	-100%
5.10	19.10	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5 Circular manhole 1.22 m internal dia at bottom and 0.56 m dia at top in cement mortar 1:4 (1 cement : 4 coarse sand) inside cement plaster 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement foundation concrete 1:3.6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) and making necessary channel in cement concrete 1:2.4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement, all complete as per standard design.	4	Meter	6,448.40	25,793.60	0.00	0.00	25793.60	0.00	-100%
5.10.1	19.10.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5 Circular manhole 1.22 m internal dia at bottom and 0.56 m dia at top in cement mortar 1:4 (1 cement : 4 coarse sand) inside cement plaster 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement foundation concrete 1:3.6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) and making necessary channel in cement concrete 1:2.4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement, all complete as per standard design.									
5.11	19.11	1.68 m deep with SFRC Cover and frame (heavy duty HD-20 grade designation) 560 mm internal diameter conforming to I.S. 12592, total weight of cover and frame to be not less than 182 kg, fixed in cement concrete 1:2.4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) including centering, shuttering, all complete. (Excavation, foot rests and 12 mm thick cement plaster at the external surface shall be paid for separately)*									
5.11.1	19.11.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5 Extra depth for circular type manhole 1.22 m internal dia (at bottom) beyond 1.68 m to 2.29 m	10	Each	21,235.65	2,12,356.50	0.00	0.00	212356.50	0.00	-100%
5.12	19.12	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5 Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per I.S. 10910 on 12mm dia steel bar conforming to I.S. 1786 having minimum cross section as 23 mm x 25 mm and over all minimum length 263mm and width as 165mm with minimum 112mm space between protruded legs having 2mm tread on top surface by ribbing or chequering besides necessary and adequate anchoring projections on tail length on 136mm as per standard drawing and suitable to stand test and chemical resistance test as per specifications and hearing manufacturer's permanent identification mark to be visible even after fixing * including fixing in manholes with 30x20x15 cm cement concrete block 1:3.6: (1 cement : 3 coarse sand : 6 graded stone aggregate 25mm nominal size) complete as per design.	3	Meter	8,368.40	25,105.20	0.00	0.00	25105.20	0.00	-100%
5.13	19.16	Making connection of drain or sewer line with existing manhole including breaking into and making good the walls, floors with cement concrete 1:2.4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) cement plastered on both sides with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement and making necessary channels for the drain etc complete.	99	each	463.05	45,841.95	322.00	149102.10	0.00	103260.15	225%
5.14	19.21.2	For pipes 250 to 300 mm diameter Constructing brick masonry road gully chamber 50x45x60 cm with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) including 500x450 mm pre-cast R.C.C. horizontal grating with frame complete as per standard design.	6	Each	717.30	4,303.80	0.00	0.00	4303.80	0.00	-100%
5.15	19.27	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5 Providing end laying S&S C.I. Standard specials such as tee, bends, collars, laps, caps etc. (Heavy class).	20	Each	5,209.10	1,04,182.00	92.00	484446.30	0.00	380264.30	365%


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S. No.	Item No.	Description	As Per BOQ				Actual	Variation in %
			Qty.	Unit	Rate	Amount		
5.16.1	18.25.1	Up to 300 mm dia	2	Quintal	5,320.40	10,640.80	0.00	0.00
5.17	18.27	Providing and laying S&S centrifugally cast (spun) iron pipes (Class LA) conforming to IS -1536:						-100%
5.17.1	18.27.3	150 mm dia pipe	215	Meter	1,810.75	3,89,311.25	0.00	389311.25
5.18	NS-35	Grease separator EasyClean Underground NS 4, Standard, 550x950 mm, class A/B for underground installation according to EN1825 Installation * Resistant when installed in the groundwater up to 500 mm * A load distribution plate must be provided for class D Consisting of upper section made of polymer, infinite height and level adjustment with cover class A/B in accordance with EN 124 made of cast iron sealed odourtight, incl lift-out key Inlet/Outlet: 110 mm Sludge trap capacity: 400 l Total separator capacity: 770 l Fat storage: 120 l Certification: Z-54-1440 Weight: 120 kg Dimension: 1380 x 1166 mm	1	Each	2,50,400.00	2,50,400.00	0.00	-100%
5.18.1	NS-35.1	Make : KESSEL						
5.18.2	NS-35.2	Seawage Pumping Sump Pumps Providing and fixing submersible pumps for suitable rating, with non-dog free flow open CI impeller, CI casing, SS-10 shaft, be capable on operation on 415 Volts \pm 10 % 50 HZ A,C 3 phase supply. The above pump sets must be supplied complete with following accessories. Complete piping with common delivery upto 3m - 1 Set Necessary cables from pump set to control panel - 1 Set Electrical switch panel having all necessary accessories & safety devices of standard specifications. (Panels with sump, pumps near each sump as per site conditions). -1 No. Automatic built-up water level controller with necessary length of cable upto control panel. CI Butterfly valve (PN-1.0) (2 Nos.) 80 mm dia C.I. Dual plate check valves (PN-1.0) (2 Nos.) 80 mm dia Capacity: 10.0 m ³ /hr Head : 15 Nete KW : 1.5 (Approx.) or as required. Solid handling : 10 to 12 mm Quantity : 2 Nos. (1W+1SB)						
SUB TOTAL - V FIRE PROTECTION SYSTEM								
6 VI HYDRAULICS, PIPING & ACCESSORIES								
6.1	7	Providing, laying, jointing, testing and commissioning of following sizes of m.s. pipes conforming to IS-1239 with all accessories like all fittings (for pipes upto 50mm dia threaded forged steel fittings reducers, union, flanges, rubber gaskets, GI nuts bolts, washer including supporting/fixing the pipe on floor/wall/ceiling with clamps), all fittings with welded joint shall be used) including tees, elbows, sleeves of suitable higher size shall be provided wherever the pipes are crossing the walls / floors and sealing the sleeves with glass wool in between & fire sealant compound at either end and all as per Project Manager's requirements its labs as per ISO/IEC 17025 for testing and calibration scopes shall be eligible. All hangers, clamps, brackets etc. shall be of galvanized iron unless specified otherwise and the supply of the same shall also be included in rates under this head. Welding of any kind on the galvanized supports / hanger shall not be permitted.						
MS. C Heavy class pipes								
7.1	25 mm dia		51	RM	471.00	24,021.00	0.00	24021.00
7.4	50 mm dia		10	RM	787.00	7,870.00	0.00	7870.00


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 A Govt. of India Approved Organization
 IESTC NASA Approved Organization

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S. No.	Item No.	Description	As Per BOQ				Actual			% Variation In
			Qty.	Unit	Rate	Amount	Quantity	Amount	SAVINGS (-)	
	7.5	65 mm dia	6	RM	1,004.00	6,024.00	0.00	0.00	6,024.00	0.00
	7.6	80 mm dia	11	RM	1,122.00	12,342.00	0.00	0.00	12,342.00	0.00
	7.7	100mm dia	215	RM	1,499.00	3,22,255.00	297.00	445203.00	0.00	-100%
6.2	18.18	Providing and fixing ball valve (brass) of approved quality. High or low pressure, with plastic floats complete:								-100%
6.2.1	18.18.3	25 mm dia.								38%
6.3	11	cf. butterfly valve (PN 1.6) (suitable for test pressure of 24 kg / secm) with flanges, nut bolts, gaskets, painting, a ne necessary pad locking arrangement complete required.	18	No.	394.00	7,092.00	'18.00	7092.00	0.00	0%
6.3.1	11.4	60 mm dia	4	No.	4,842.00	19,368.00	0.00	0.00	19,368.00	0.00
6.3.2	11.5	100 mm dia	4	No.	6,454.00	25,816.00	5.00	322270.00	0.00	-100%
6.4	17	Supplying and fixing fire-and Hose Reel with MS construction spray painted in post office red, conforming to IS 884 complete with the following as required:								25%
6.4.1		20 mm nominal internal dia water hose thermoplastic (Textile reinforced) type -2 as per IS : 12585								
6.4.2		20 mm nominal internal dia gun metal globe valve & nozzle.								
6.4.3		Drum and brackets for fixing the equipments on wall.								
6.4.4	17.1	Connectors from riser with 25 mm dia stop gun metal valve & M.S. Pipe and socket.	30m							
6.5	16.8	Providing and fixing in position the industrial type pressure gauges with gun metal / brass valves complete as required.	18.00	Set	8,413.00	151,434.00	18.00	151434.00	0.00	0%
6.6	NS-36	Providing, fixing, testing & commissioning of automatic Air release valve with 15mm dia stop cock, flanged inlet connection, pressure gauge with gun metal stop cock complete with all accessories as required and conforming to IS : IS : 12892 (Part 1)	22.00	No	1,084.00	24,068.00	22.00	24068.00	0.00	0%
6.7	NS-37	Providing, fixing, testing & commissioning of indoor type hose lockable cabinet frames fabricated from 40 x 40 x 5 angle iron sections and 16 gauge MS sheet with full front glass door and bracket arrangement, suitable to accommodate landing valves, 15 m long hoses, first-aid hose reel and branch pipe nozzle & fire man's axe. The cabinet frame shall be painted with one coat of primer and two or more coats of synthetic enamel paint of approved make and shade, as required (Approx 2.1 m (high) x 0.9 m (wide)). The item shall be complete of MS housing with front door. (Cost shall be inclusive of providing break glass box containing key for the cabinet along with hammer).	6	Set	1,990.51	11,943.06	6.00	11943.06	0.00	0%
	II Portable Chemical Fire Extinguishers									
6.8	NS-38	Supply, installation, testing and commissioning of following types of extinguisher with provision of wall bracket (fixed with anchor fastener). Providing & fixing ISI marked portable chemical fire extinguisher, water (gas pressure) type capacity 9 litres conforming to IS: 15683:2006 with gun metal cap and nozzle and complete in all respects including initial fill and wall suspension brackets								
6.8.1	NS-38.1	Fixing ISI marked portable chemical fire extinguisher, water (gas pressure) type capacity 9 litres conforming to IS: 15683:2006 with gun metal cap and nozzle and complete in all respects including initial fill and wall suspension brackets	18	No.	2,206.00	39,708.00	18.00	39708.00	0.00	0%
6.8.2	NS-38.2	Fixing ISI marked (IS: 15683:2006) portable CO ₂ type fire extinguisher type 4.5 kg capacity, including valve, discharge hose of not less than 10 mm dia. & 1 M long complete in all respects including initial fill with CO ₂ gas conforming to IS:307-1966 & filled to a filling rate of not more than 0.667 and wall suspension bracket.	18	No.	13,854.00	2,49,372.00	18.00	249372.00	0.00	0%
6.8.3	NS-38.3	Providing & fixing of ABC Type Portable Fire Extinguisher, dry powder type (Gas Cartridge) conforming to IS: 15683 : 2006 with cylinder initially fully charged with dry powder, ISI marked conforming to IS:15683 : 2006 complete with standard discharge valve with tube, CI bracket for wall mounting.	4 Kg	No.	3,806.00	68,508.00	18.00	68508.00	0.00	0%
	FIRE PUMPS AND EQUIPMENTS									


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 Govt of Haryana
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 A/C Civil & Indus. Envir. Dept.
 NBCC Project Directorate

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S. No.	Item No.	Description	As Per BOQ			Actual Amount	SAVINGS (-)	DEV (+)	Variation In %
			Qty.	Unit	Amount				
6.8.4	NS-39	Supply, installation, testing and commissioning of terrace fire pump comprising of the following:							
		Horizontal monoblock centrifugal pump, suitable for operation on 415 volts \pm 6%, 3 phase, 50 Hz A.C. supply.							
		The pump casting shall be CI, shaft shall be CS & impeller / shaft sleeve / casing wearing ring shall be bronze. The system shall be complete with necessary pressure gauge with gun metal shut off cock on delivery side. (The pump should meet the condition and shall be gotten approved by the Local fire Authority).							
		Squirrel cage induction motor TEFC type for operation on 415 V, 3 phase, 50 Hz AC supply for the above pump with speed of 2900 R.P.M.							
		Suitable cement concrete foundation with plaster, (design and drawing to be provided by the Contractor while the foundation will be done by others) complete with Antivibration arrangement of custody foot mounting.							
		Far pump defined above & of duty as follows:							
		Flow : 450 LPM							
		Head - 35 mts							
		SUB TOTAL - VI							
			2	No	92,365.00	1,84,738.00	3.00	277107.00	0.00
									92365.00 50%
		TOTAL OF PLUMBING AND FIRE FIGHTING WORK							
		C. HVAC Works							
		Supply, Installation, Testing & Commissioning of Variable Refrigerant Volume (VRV/ VRF) modular type airconditioning system complete with Indoor and Outdoor Unit and accessories ; Outdoor unit should be scroll compressor, inverter technology based, microprocessor controlled, using eco friendly R410A refrigerant; Variable refrigerant temperature control (Outdoor Unit) and variable air volume control (Indoor Unit) at different load conditions							
		: Each Outdoor Unit module of minimum 14HP and above should be of multiple (minimum two) circuit, and shall be capable of both cooling as well as heating function suitable for operation on 415 \pm 10% Volts, 50 Hz, 3 Ph AC supply . Shall comprise of scroll compressor and aircooled condenser and fan with motor, first charge of refrigerant and oil, vibration isolation pads, one coat of enamel, accessories as required and complete in all respect. Before procurement vendor has to take approval over the act design. The Inverter Compressor should be on-line type, it should start at minimum frequency to prevent inrush of starting current. Outdoor Unit should have minimum ESP of 78Pa for effective heat dissipation/ extensive arrangement, should be capable of performance upto 49 degree ambient. The Outdoor Unit should have function of controlling evaporative refrigerant temperature to avoid cold draft, excessive cooling and for better energy efficiency.							
		1.1. 1.0.1 Outdoor Units (VRV)							
		per HP rate at Rs. 16415 as per DSR							
		1.1.a 1.0.2 Indoor Units (VRV)							
		1.2 NSH-1							
			135	HP	16,415.00	22,16,025.00	90.00	1477350.00	738675.00 0.00 -33%
		1.2.1 Supply, Installation, Testing & Commissioning of 4 way Cassette type indoor Unit , sophisticated decoration panel with 360 degree airflow, with filter and with motorised louvres, 3 step airflow control, Dx type, electronic control valve, dual suction fan, statically and dynamically balanced, cooling coils of seamless copper tubes, cleanable type filters with anti-mould and anti-bacterial treatment, drain pump, PID Control, fixtures and supports complete in all respect, of following capacities :							
		1.2.1.a 2.4 1.5 TR							
		1.2.2.b 2.5 2.0 TR							
		Supply, Installation, Testing & Commissioning of High Wall type Indoor Unit , sophisticated decoration panel with filter and with motorised louvres, 3 step airflow control, Dx type, electronic control valve, dual suction fan, statically and dynamically balanced , cooling coils of seamless copper tubes, cleanable type filters with anti-mould and anti-bacterial treatment , drain pump, PID Control, fixtures and supports complete in all respect, of following capacities :							
		1.2.3 3.5 1.45 TR							
		1.2.3.b 3.7 2 TR							
			12	No	30,204.00	3,62,448.00	5.00	151020.00	211428.00 0.00 -56%
		1.2.1 Supply, Installation, Testing & Commissioning of 4 way Cassette type indoor Unit , sophisticated decoration panel with filter and with motorised louvres, 3 step airflow control, Dx type, electronic control valve, dual suction fan, statically and dynamically balanced , cooling coils of seamless copper tubes, cleanable type filters with anti-mould and anti-bacterial treatment , drain pump, PID Control, fixtures and supports complete in all respect, of following capacities :							
		1.2.3 3.5 1.45 TR							
		1.2.3.b 3.7 2 TR							
			3	No	30,801.00	92,403.00	0.00	92403.00	0.00 -100%
		1.2.1 Supply, Installation, Testing & Commissioning of 4 way Cassette type indoor Unit , sophisticated decoration panel with filter and with motorised louvres, 3 step airflow control, Dx type, electronic control valve, dual suction fan, statically and dynamically balanced , cooling coils of seamless copper tubes, cleanable type filters with anti-mould and anti-bacterial treatment , drain pump, PID Control, fixtures and supports complete in all respect, of following capacities :							
		1.2.3 3.5 1.45 TR							
		1.2.3.b 3.7 2 TR							
			2	No	21,315.00	42,630.00	0.00	42630.00	0.00 -100%
		1.2.1 Supply, Installation, Testing & Commissioning of 4 way Cassette type indoor Unit , sophisticated decoration panel with filter and with motorised louvres, 3 step airflow control, Dx type, electronic control valve, dual suction fan, statically and dynamically balanced , cooling coils of seamless copper tubes, cleanable type filters with anti-mould and anti-bacterial treatment , drain pump, PID Control, fixtures and supports complete in all respect, of following capacities :							
		1.2.3 3.5 1.45 TR							
		1.2.3.b 3.7 2 TR							
			2	No	22,100.00	44,200.00	0.00	44200.00	0.00 -100%


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S. No.	Item No.	Description	As Per BOQ			Actual Amount	Savings (-)	Dev (+)	%
			Qty.	Unit	Amount				
1.2.3	NSH-2	Supply, Installation, Testing & Commissioning of high wall split unit with Indoor & outdoor Units 5 star Inverter, copper compressor, sophisticated decoration panel with 360 degree airflow, with filter and motorised louvres, with remote, 3 step airflow control, Dx type, electronic control valve, dual suction fan, statically and dynamically balanced cooling coils of seamless copper tubes, cleanable type filters with anti-mould and anti-bacterial treatment - drain pump, PID Control, fixtures and supports complete, with remote in all respect, of following capacities:							
	1.2.3.a	Minimum air moving capacity of units as mentioned below to be maintained and higher size / multiple units to be selected to meet the dehumidified air quantity.	85	Nos	65,625.00	55,78,125.00	5,00	328,125.00	525,000.00
	1.2.3.b	2.0 TR (minimum air moving capacity 750 to 800 cfm)	80	Nos	54,010.00	43,20,800.00	160.00	86,1600.00	0.00
	1.2.3.c	1.5 TR (minimum air moving capacity 460 to 530cfm)							-94%
	NSH-3	Supply, Installation, Testing & Commissioning of Remote controllers suitable for above indoor units to operate, monitor, ON/OFF, temperature setting, 3 step air flow changing etc. The remote controller shall be corded type suitable for wall mounting with bracket.							100%
1.3.1	NSH-3.1	Remote Controller	20	No	1,700.00	34,000.00	5.00	8,500.00	25,500.00
1.3.2	NSH-4.1	Central Controller for Indoor & Outdoor Units Supply, Installation, Testing & Commissioning of Central Controller (I-Touch Manager) with Touch Screen type and capable of controlling of all IDUs and ODUs complete with necessary hardware, adaptor, accessories etc. to perform the following functions:	1	No	2,84,400.00	2,84,400.00	2.00	56,8800.00	0.00
i)		Control of IDUs, ODUs units as above with monitoring of vital parameters such as temperature sensing & setting ON/OFF, status etc.							-75%
ii)		Permit / prohibit function of Each remote controlled unit							
iii)		Operation of units in individually or in group							
iv)		Display of floor plans to enable quick search of desired units							
v)		Operation history of units							
vi)		Filter status of Indoor units with alarm							
vii)		Fault indication with Alarm							
viii)		Energy management through monitoring the energy consumption data and identifying inefficient operations							
ix)		To perform energy saving control i.e. to restrict capacity of IDUs increase power consumption exceed the set limit							
x)		Provision of integration with BMS system & transfer of data							
x)		Integration with Fire alarm & security system (the units will be switched off in case of activation of fire alarm)							
		The central controller will be complete including all hardware & software (excluding wiring) suitable to perform above function.							
2	NSH-4.2	Supply, installation, testing & commissioning of interconnecting copper refrigerant pipe of size 16 Gauge upto 19.1 mm O.D and below this 20 Gauge work with (19 mm / 13 mm thick) closed cell elastomeric nitrite rubber tubular insulation between each set of indoor & outdoor units as per manufacturer's specifications, all piping shall be properly supported, complete in all respect :	30	Rmt	1,170.00	35,100.00	0.00	35,100.00	0.00
	NSH-4.1	34.9 mm O.D.(insulation : 13 mm)	30	Rmt	1,108.00	33,240.00	0.00	33,240.00	-100%
	NSH-4.2	28.6 mm O.D.(insulation : 13 mm)	10	Rmt	865.00	8,650.00	0.00	8,650.00	-100%
	NSH-4.3	22.2 mm O.D.(insulation : 13 mm)	10	Rmt	707.00	7,070.00	46.50	32,875.50	0.00
	NSH-4.4	19.1 mm O.D.(insulation : 13 mm)	20	Rmt	588.00	11,760.00	59.50	34,986.00	25,805.50
	NSH-4.5	15.9 mm O.D.(insulation : 13 mm)	20	Rmt	466.00	9,320.00	744.00	34,670.40	23,226.00
	NSH-4.6	12.7 mm O.D.(insulation : 13 mm)	120	Rmt	300.00	36,000.00	59.50	17,850.00	33,738.00
	NSH-4.7	9.5 mm O.D.(insulation : 13 mm)	120	Rmt	225.00	27,000.00	0.00	18,150.00	36,202%
	NSH-4.8	6.4 mm O.D.(insulation : 13 mm)	120	Rmt	803.50	18,0787.50	0.00	15,3787.50	-50%
3	NSH-5	Supply and installation of control cum transmission wiring of copper in suitable size of glands, tagging etc. complete in all respect :	450	Rmt	110.00	49,500.00	931.50	10,2465.00	570%
4	NSH-6	Supply and installation of UPVC piping complete with fittings supports as per specifications and duly insulated with 13 mm thick nitrite rubber insulation, complete in all respect :	100	Rmt	210.00	21,000.00	0.00	5,2965.00	107%
4.1	NSH-6.1	40 mm dia							-100%

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S. No.	Item No.	Description	As Per BOQ				Actual Amount	Savings (-)	DEV (+)	Variation In %
			Qty.	Unit	Rate	Amount				
4.2	NSH-6.2	32 mm dia	100	Rmt	180.00	18,000.00	0.00	18,000.00	0.00	-100%
4.3	NSH-6.3	25 mm dia	750	Rmt	150.00	1,12,500.00	584.00	87600.00	24900.00	-22%
5	NSH-7	Supply, fabrication, erection and commissioning of factory fabricated rectangular ducts using GI Sheets. The price shall include TDF flanges, turning vanes, supports, sealant (neoprene gasket), hangers, access door etc., complete in all respect.								
5.1	NSH-7.1	24 gauge galvanized sheet steel (0.63mm)	300	Sqmt	942.00	2,82,600.00	707.52	666481.01	0.00	383881.01
6	NSH-8	Supply, fabrication, installation and testing of flexible connections constructed out of fire resistant double canvas sleeve for cabinet type fans, complete in all respect;	16	Nos	2,450.00	39,200.00	20.00	49000.00	0.00	9800.00
7	NSH-9	Supply, installation and testing of 18 G GSS construction opposed blade volume control dampers complete with brass bush & operating handles within ducts to be provided with suitable links, levers and quadrants for manual control of volume of air flow and for proper balancing of the air - complete in all respect ;	6	Sqmt	7,250.00	43,500.00	48.00	348000.00	0.00	304500.00
8	Air Registers	Air Registers								700%
8.1	NSH-10	Supply/Installation,testing & balancing of 150x150 mm aluminium powder coated air grilles for toilet exhaust with all sides flanged, complete in all respect ;	14	Sqmt	6,400.00	89,600.00	0.00	89600.00	0.00	-100%
8.2	NSH-11	Supply/ Installation, Testing & Commissioning of extruded aluminium powder coated Pantry and Toilet Air Door Grille, complete in all respect;	20	Sqmt	7,940.00	1,58,800.00	6.36	50498.40	108301.60	0.00
9	NSH-12	Supply and installation of rectangular Cabinet type direct driven Inline Fans for Mechanical Ventilation Of Toilet, supports, bird screen at exhaust, complete in all respect ;								-68%
9.1	NSH-12.1	1200 CFM 15 mm static	10	No	22,425.00	224,250.00	16.00	358800.00	0.00	134560.00
9.2	NSH-12.2	800 CFM 12 mm static	6	No	17,250.00	103,500.00	4.00	69000.00	0.00	34500.00
10	NSH-13	Supply, Installation, testing and commissioning of fusible link fire damper as per UL 555 listed complete with all accessories	3.5	Sqmt	6,000.00	21,000.00	0.00	21000.00	0.00	-100%
		Total (Supply, Installation, Commissioning & Ancillary Work Of VRV Airconditioning System & Mechanical Ventilation Of Toilets)								
A	NSL-1	TECHNICAL SPECIFICATIONS FOR PASSENGER LIFTS: For Hostel 13 PAX								
1	NSL-1	Number of Landings(l.e. Stops) 3 (All openings on same side), Travel Height 12 mtr Capacity 1020 kg Approx or as per lift manufacturer Passengers 15 no. Speed 1.0mps Motor Type Gearless Hoistway Size available (Clear) 2500 mm (W) x 3000 mm (D) Power Markings G, 1, 2, Overhead in mm 4800 mm Fit Depth in mm 1650 mm Drive System & Control Alternating Current Voltage Frequency (ACVF) with Closed Loop system Operation Full Collective -Duplex Car Size (WxDxH) 1600 mm (W) x 1500 mm (D) x 2250 mm (H) Car door (Height) x Width)mm Main Minimum 1000 (Width) x 2100 (Height) Car (Ceiling) SS: Finish with Spot LED Lighting Car Walls Finish SS: haliline Car Lighting Minimum 150 lux on floor and on Car operating Panel Handrail, Sill, Aluminium profiles Car Operating Panel To Be furnished Decoration Skirting & Corners Must be Anodised for weather protection Landing Door Size (WxDxH) minimum 1000 (Width) x 2100 (Height) Main Entrance Landing Door SS-Hairline Finish, Other landing doors are SS Hairline finish, Landing door control system Fully Automatic Control & Fixtures Details - Common for all Elevators Landing display Centre, Opening Sliding Door- Stainless Steel etched Emergency Alarm Main Floor Over Head warning Audio/Visual Overload warning Indicator to be provided,B-rate Buttons On COP & LOP Car Display 16-segment LED Dynamic Car Direction display & Digital position indicators Infrared Light Curtain (Full Length) on Car doors To be provided Auto Light/Fan Cutoff Ventilation fan On/Off switch with auto switch on feature Door open/Door close Door Open and Door Close buttons with Symbol markings.								
1		ARD operation indication in car To be provided Emergency Alarm button with symbol & the same should be at a distinct distance from the call buttons. Intercom To be provided (i.e. 3-way intercom) Hall Buttons To be provided as per the Tenderer Out of Service Mode To be provided Attendant Operation To be provided Potential free contacts BMS Controller Machine & Drive System Common for all Elevators Power Supply 3 x 415V /220V, 50 Hz Acceptable Voltage Fluctuation +/- 10% to 15% Acceptable Frequency Fluctuation +/- 5% Rate of Acceleration/Deceleration XY (m/s ²)								


 NAGARAJAN
 Dy General Manager (Engg)
 Engg Office (P.T.U.) 3, Unit-3
 NBCC India Limited
 A Govt. of India Approved Construction Company
 NBCC India Projects Vizianagaram, Andhra Pradesh

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S. No.	Item No.	Description	As Per BOQ			Actual Amount	SAVINGS (-)	DEV (+)	% Variation In
			Qty.	Unit	Rate				
2	NSL-1.1	Airborne Noise level in Car (without Fan) 50 ± 3 dBa Airborne Noise level at landing door Operation Max 60 dBa Airborne Noise level in front of closed Hailway door (when car passing by). Max 53 dba Stopping Accuracy \pm 5mm Elongation \pm 20mm Levelling Accuracy \pm 10mm Door Drive Compact VVF Safety Features & Other Incidions — Common for all Elevators Door Protection Multi beam infrared protection device so as to reverse the closing door in case of slight obstruction in the door way. Anti nuisance To Be provided Fire Man Control To be Provided Over Load detection Device To be provided Buffers Spring Buffers Safety Governor Electro-Mechanical type Safety Governors for Car Safety Instructions Do's & Don'ts with emergency contact Numbers must be provided & displayed in the car Over travel protection Terminal and final limit switches to be provided. Controller / Drive / Motor Protection Trip Device for Over current, Under Voltage and Over voltage than the rated capacity. + 10% Motor overload / over torque Instantaneous or over current. * Ground fault Under voltage short circuit * Over speed * Output & Input phase loss * Phase reversal * Output Spikes & Surges Protection with the Sudden surges/spikes in level in voltage alongwith shifting of neutral and earth leading to improper earthing Must be provided as a separate kit ARD (Automatic Rescue Device)ARD to be provided. (Detailed Literature of Make and working of ARD to be provided separately).	2	Each	16,50,000.00	33,00,000.00	2.00	3300000.00	0.00
3	NSL-1.2	Fire Rating of Landing doors. Landing doors must have 2 hour fire resistance rating and Elevator supplier must provide the Fire certificate for the same from Accredited laboratory. Self adjustment & self Diagonalistic To be provided Intercom connection Must be provided in 3-way Fascia Plates & Sill angles Full Pit Ladder MS Pit Ladder to be provided and securely fastened inside the pit. Counter Weights In case of non-metallic fiber weights, the counterweight sections shall be totally enclosed in a metallic covering. Hand Rails SS Hairline finish Hand rails at Rear side. All Hand rails to be fixed at a height of 900mm from the floor level. Intra-red Light Curtain (Full Length) On Doors To be provided. Multi beam infrared protection device so as to reverse the closing door in case of slight obstruction in the door way. Elevators Uptime & Connectivity The manufacturer must ensure the maximum uptime of the elevators for which elevator must be provided with the in-built device to capture the data like door movement or lifecycle utilization are collected, and transmitted to the Cloud Platform which could be accessed online from anywhere. Traction Medium PVC grooved Belt with Ahead system Associated Civil and structural items All civil and structural items of work associated with erection and operation of lifts shall be provided by the Contractor at his cost including (but not restricted to) the following. Scaffolding and safety barriers for erection in and around lift hoist ways Buffer supports Ladder in pits with 2 safety switches Safety railing on top of car Channels, separators, stretchers etc. Sill angles ascia Plates Minor Builders Work Environmental Conditions at Site of installation a) Summer: 480 C (RH<25%) b) Winter: 40 C (RH>80%) Storage space provided Not Available Is neutral wire available for control Yes Circuits Proposed date for commencement on As per civil work Site) Lift in use/ lift out of order sign A suitable box above the lift landing with LED illuminated bilingual (in English & Hindi) sign of "LIFT OUT OF ORDER" coming up simultaneously at all floors							
Total						33,00,000.00	-3300000.00	0.00	0.00
INTERNAL ELECTRICAL WORK									


NAGABHANU
 Dr. General Manager (Engg.)
 SEBI Office (Purji A. M-22)
 NECC (India) Limited
 A Govt. of India Undertaking
 NECC Phata, Phata, Varanasi, Uttar Pradesh

S. No.	Item No.	Description	As Per BOQ				Actual			Variation In %
			Qty.	Unit	Rate	Amount	Quantity	Amonut	SAVINGS (-)	
SUB HEAD-1: WIRING & SUB-MAIN										
1.0	1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.								
1.0	1.10	copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.	1050	Point	717.00	7,52,850.00	1,296.00	929,232.00	0.00	17,682.00 23%
1.1	1.10.1		100	Point	990.00	99,000.00	112.00	110,980.00	0.00	11,880.00 12%
1.2	1.10.3									
2.0		Wiring for 3 group controlled (looped) light point/fan point/exhaust fan point/call bell point (without independent switch etc.) with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed PVC conduit, a/c earthing the point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable etc. as required.	400	Point	463.00	1,85,200.00	494.00	228,722.00	0.00	43,522.00 24%
2.1	1.55.1	Group A								
2.2	1.55.3	Group C	115	Point	555.00	63,925.50	0.00	63,825.50	0.00	-100%
3.0	1.14	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.								
3.1	1.14.1	2 x 1.5 sq mm + 1 x 1.5 Sq mm earth wire	4000	Meter	146.00	5,84,000.00	0.00	58,400.00	0.00	-100%
3.1	1.14.2	2 x 2.5 sq. mm + 1 x 2.5 sq. mm earth wire	4250	Metre	167.00	7,99,750.00	9,087.00	15,759.00	0.00	80,777.00 114%
3.2	1.14.3	2 x 4 Sq. mm + 1 x 4 sq. mm earth wire	12000	Metre	200.00	24,00,000.00	11,582.10	23,16420.00	0.00	83,580.00 -3%
3.4	1.14.4	2 x 6 sq. mm + 1 x 6 sq. mm earth wire	11500	Metre	249.00	28,63,500.00	0.00	286,350.00	0.00	286,350.00 -100%
3.6	1.14.8	4 x 4 sq. mm + 2 x 4 sq. mm earth wire	1	Metre	308.00	308.00	0.00	0.00	308.00	0.00
3.7	1.14.9	4 x 6 sq. mm + 2 x 6 sq. mm earth wire	1	Metre	394.00	394.00	0.00	0.00	394.00	*100%
4.0	1.56	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 2 nos. 3 pin 5/6 A modular socket outlet and 2 nos. 5/6 A modular switch, connections etc. as required. (For light plugs to be used in non residential buildings).	2	Each	582.00	1,164.00	336.00	1,95552.00	0.00	19,4386.00 16700%
5.0	1.31	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required. (For light plugs to be used in non residential buildings).	1175	Each	401.00	4,71,175.00	1,058.00	424258.00	46917.00	0.00 -10%
6.0	1.32	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.	260	Each	495.00	1,28,700.00	672.00	3,32640.00	0.00	20,3940.00 158%
7.0	1.33	Supplying and fixing 3 pin, 5 amp ceiling rose on the existing junction box/ wooden block including connection etc as required.	2175	Each	65.00	1,41,375.00	2,175.00	14,1375.00	0.00	0.00 -85%
8.0	2.18	Supplying and fixing 20 A, 240 V, SPN Industrial type socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 2A "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	219	each	1,232.00	2,69,808.00	33.00	40,656.00	229,152.00	0.00 0%
9.0	2.19	Supplying and fixing 20/25 A, 415 V, TPN Industrial type socket outlet, with 4 pole and earth, metal enclosed plug top alongwith 20 A "C" curve, TPICB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning as required.								
8	1.24	TV SYSTEM Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular data etc. as required.	2	each	1,690.00	3,380.00	2.00	3380.00	0.00	0.00 0%
8.1	1.24.7	TV antenna socket outlet!	15	EACH	126.00	1,890.00	5.00	630.00	1260.00	0.00 -67%
9	1.27	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required.								
9.1	1.27.1	1 or 2 Module (75mmx75mm)	15	EACH	243.00	3,645.00	5.00	1215.00	2430.00	0.00 -67%
11	1.19	Supplying and drawing co-axial TV cable RG-5 grade, 0.7 mm solid copper conductor PE insulated, shielded with fine tinned copper braid and protected with PVC sheath in the existing surface/ recessed steel/ PVC conduit as required.	500	Mtrs	33.00	16,500.00	205.00	6765.00	9735.00	0.00 -59%


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 Dr. General Manager (Electrical)
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 NBCC (India) Limited, Sector 10, Noida
 KBCCL, Noida, Sector 10, Noida (U.P.) India

S. No.	Item No.	Description	As Per BOQ				Actual Amount	Savings (-)	Dev (+)	Variation in %
			Qty.	Unit	Rate	Amount				
12.0	1.21	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed, conduit as required.								
12.1	1.21.2	25 mm dia	400	RM	90.00	36,000.00	440.00	39600.00	0.00	3600.00
12.2	1.21.3	32 mm dia	5	RM	92.00	460.00	0.00	460.00	0.00	-100%
		TELEPHONE AND DATA SYSTEM								
13	1.18	Supplying and drawing following pair 0.5 mm dia FRPLS PVC insulated annealed copper conductor, unarmored telephone cable in the existing surface/recessed steel/ PVC conduit as required.								
13.1	1.18.2	2 pair	4500.00	Mtr.	20.00	90,000.00	4,625.00	92500.00	0.00	2500.00
15	NS - 1	Supplying and fixing of telephone distribution board (tag block) in hinged type MS box duly powder coated complete with bakelite sheet with termination of incoming and outgoing telephone wires etc. as required.	2	Nos	3,500.00	7,000.00	12.00	42000.00	0.00	35000.00
16	1.24	Supplying and fixing 2 pin Telephone modular socket & switch with modular metal box and sheet cover including connection, testing etc. as required.	175.00	Each	119.00	20,825.00	168.00	19992.00	833.00	0.00
16.1	1.24.6	Telephone socket with shitter outlet recess etc. as required.	175	EACH	287.00	50,225.00	336.00	56432.00	0.00	-4%
17	1.27	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for Tel Data In	305.00	Each	105.00	32,125.00	355.00	34125.00	0.00	46207.00
17.1	1.27.3	Module : 125 x 75 MM	11,500	RM	49.00	5,63,500.00	7,025.00	344225.00	219275.00	0.00
19	NS-2	Supplying and fixing 1 mtrs of CAT-6, I/O								
20.0	1.53.1	Supplying and drawing of UTP 4 pair CAT 6 LAN Cable in the existing surface/ recessed Steel/ PVC conduit as required.								
21.0	1.21	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.								
21.1	1.21.2	25 mm dia	3,000	RM	90.00	2,70,000.00	3,634.00	327060.00	0.00	57060.00
21.2	1.21.3	32 mm dia	50	RM	92.00	4,600.00	600.00	55200.00	0.00	50600.00
		<i>Item as stated above</i>								
		<i>Total of Sub-Head - I carried to summary sheet</i>								
2		SUB HEAD - II: DISTRIBUTION BOARD								
		2.3 Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface recess, complete with turned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCB/Isolator)								
		2.3.2 8 way, Double door								
1.0	2.4	Supplying and fixing following way, horizontal type three pole and neutral, sheet Steel, MCB distribution board, 415 V, on surface/ recess, complete with linned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCB/Isolator)	2	Each	1,760.00	3,520.00	2.00	3520.00	0.00	0%
1.3	2.4.3	6 way (4 + 24), Double door	9	Each	4,601.00	41,409.00	18.00	82818.00	0.00	41409.00
NS - 3	12 way (4 + 36)	Double Door, with separated phase wise 2 pole RCCB provision is required	35	Each	5,650.00	1,97,750.00	18.00	101700.00	96505.00	100%
3.0	2.10	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.								-49%
3.1	2.10.1	Single pole								
4.0	2.11	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.	800	Each	199.00	1,59,200.00	880.00	175120.00	0.00	15920.00
5.0	NS-4	Supplying and fixing following rating, four pole 415 volts, MCB in the existing MCB DB complete with connections, testing and commissioning etc. as required.	100	Each	8.00	800.00	100.00	800.00	0.00	0%
6.0	2.14	Supplying and fixing following rating, double pole, (single phase and neutral), 240 volts, residual current circuit breaker (RCCB), having a sensitivity current upto 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.	40	Each	1,641.00	65,640.00	33.00	54153.00	11487.00	0.00
										-18%

NAGARJAN

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HCC, Jamshedpur - 831012
A Unit of India Electronics
S&C Power Projects Private Limited

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S. No.	Item No.	Description	As Per BOQ				Actual Quantity	Amount	SAVINGS (-)	DEV (+)	Variation in %
			Qty.	Unit	Rate	Amount					
2.14.1	25 Amp		36	Each	1,927.00	69,372.00	0.00	69,372.00	0.00	-100%	
6.2	2.14.2 40 amps		60	Each	2,095.00	125,700.00	57.00	119,415.00	0.00	-5%	
2.14.3	63 amps		24	Each	2,640.00	63,360.00	0.00	63,360.00	0.00	-100%	
Total of Sub-Head - II Carried to summary sheet			726,751.00				53,7526.00				57329.00
Sub-Head - III : LIGHTING FIXTURES											
1	Supply of Fixtures :										
1.1	NS-5 20 Watt LED 4 ft Tube Light		575.00	Each	300.00	172,500.00	501.00	150,300.00	22200.00	0.00	-13%
1.2	NS-6 Downlight Deep Recessed/surface Panel 12w 3000K Complete with LED lamp		700.00	Each	480.00	336,000.00	790.00	319,200.00	0.00	43200.00	13%
1.3	NS-7 Bulk Head Fixture 9 watt		25.00	Each	750.00	18,750.00	80.00	60000.00	0.00	41250.00	220%
1.11	NS-8 Supply and installation of 30W A.C exhaust fan in the existing opening including making good the damage connection testing commissioning etc as required		6.00	Each	1,500.00	9,000.00	6.00	9000.00	0.00	0.00	0%
NS-8.2	Supply and installation of 9W LED Bellard as per engg. Incharge selection Glaze fitted with low glare diffuser.		60.00	Each	4,792.50	2,87,550.00	60.00	287550.00	0.00	0.00	0%
NS-8.3	Supply and installation of 9W LED Bush Light as per engg. Incharge selection in die-cast aluminium housing with high quality toughened glass diffuser.		40.00	Each	4,320.00	1,72,800.00	40.00	172800.00	0.00	0.00	0%
NS-8.4	Supply a/c installation of 30W - LED post top Lanterns as per engg. Incharge selection with low glare optical design acrylic diffuser.		6.00	Each	33,210.00	1,99,260.00	6.00	199260.00	0.00	0.00	0%
NS-8.5	Electrical Illuminated Fire Exit Signages		10.00	Each	2,400.00	24,000.00	14.00	33600.00	0.00	9600.00	40%
2	Erection of Fixtures:										
1.1	Installation, testing and commissioning of wall bracket /ceiling fittings of all sizes and shapes containing upto two GLS/CFU/LED lamps per fitting, complete with all accessories as including connections etc. as required.		1275.00	Each	98.00	1,24,950.00	1,377.00	134946.00	0.00	9996.00	8%
1.3	1.50 Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required.		2.00	Each	150.00	300.00	6.00	900.00	0.00	600.00	200%
Total - III : LIGHTING FIXTURES											
SUB HEAD - IV : UPS WORK			1345110.00				1427526.00				104645.00
2	UPS 20 KVA										
PLANT AREA RATES FOR SPECIALISED WORKS DSR-4											
2.1	Supplying, installing, testing and commissioning of online 3 phase UPS System with 30 minutes back up including batteries, interconnecting cables, battery racks etc. Details as below		20	PER KVA	20000	4,00,000.00	20.00	400000.00	0.00	0.00	0%
Item Specification:- 1) Micro Processor Controlled 40 kVA UPS system with battery backup for 60 mins. 2) UPS Rating = 2 kVA 3) Input : 415 VAC 3 Phase 4) Output : 230 VAC 3 Phase 5) Ambient Temperature : 45 °C (Average) 6) Relative Humidity: 95% 7) Backup : 60 Mins at Full Load 8) UPS should have static & maintenance bypass with static switch. 9) UPS should have a DC ground facility also. 10) Display: A LCD Display for parameters like Input supply voltage, current, frequency, Output supply voltage, current, frequency, Bypass volt, current, frequency, ambient temperature, DC volt, Inverter time, On/Off/Fault, status for Input supply/Battery/Battery/inverter. 11) Recovery time < 10 milliseconds.											
Total Sub Head - IV UPS system											
1.2	Sub Head - V : Electrical Panels Distribution Panels		4,00,000.00				4,00,000.00				0.00

S. No.	Item No.	Description	Qty.	Unit	Rate	Amount.	Quantity	Amonut	SAVINGS (-)	DEV (+)	Variation in %
1	L.T Panel	Design, fabrication, assembling, wiring, supply installation, testing and commissioning of Main L.T panel / Main distribution panels / sub-distribution panels fabricated out of 14 gauge CRCA sheet steel in cubic compartmentised modular 3b construction, free standing floor mounted, dust and vermin proof with reinforcement of suitable size angle iron, channel, T sections and / or flats wherever necessary. 16 gauge CRCA sheet steel shall be used for final distribution panels. 3 mm thick cable gland plates shall be provided on top as well as at the bottom of the panels. Panels shall be treated with all anticorrosive process before powder coating as per specifications and final approved shade. 2 Nos. earthing terminals shall be provided for all distribution panels. Panels shall be suitable for 4-15V. 3 phase, 4 wire, 50 HZ supply system. Lifting hooks shall also be provided in case of large panels. Approval shall be taken for each panel in the form of shop drawings before fabrication.	1	Nos	10,70,846.00	10,70,846.00	1.00	10,70,846.00	0.00	0.00	0%
	Incoming 3 Supply +1 (From Existing Transformer supply)	1000A Amps 4 Pole manually operated fully drawout type air circuit breaker with ON/OFF/TRIP indicating lamps with MCB's and over current short circuit and earth fault microprocessor releases (Type 2A of MG or equivalent 2A of MG or equivalent make) - 1 set.									
	Multi Function Meter (Conserve - EM 6400 with RS485 port or equivalent) of accuracy class-I, with 3 Nos. 1000/5 amps 15VA CT - 1 Set	Phase indicating light shall be protected by 2 Amps MCBs. - 3 Sets									
	Breaker ON / OFF / TRIP Indicating lights with control MCBs. - 1 Set	Breaker control switch - 1 Set									
	Auto-manual selector switch - 1 Set	Auto-manual selector switch - 1 Set									
	Auxiliary contacts required for necessary interlocking of breakers.										
	Incoming supply . 2 (From Existing DG set)	400 Amps 4 Pole MCCB with ON/OFF/TRIP indicating lamps with MCB's and over current short circuit and earth fault microprocessor releases (1 set).									
	Multifunction meter (Conserve - EM 6400 with RS485 port or equivalent) of accuracy class-I, with 3 Nos. 400/5 amps 15VA CT - 1 Set	Phase indicating light shall be protected by 2 Amps MCBs. - 3 Sets									
	Breaker ON / OFF / TRIP Indicating lights with control MCBs. - 1 Set	Breaker control switch - 1 Set									
	Auto-manual selector switch - 1 Set	Auto-manual selector switch - 1 Set									
	Auxiliary contacts required for necessary interlocking of breakers.										
	Bus Bars	1200 Amps TPN aluminum bus bars with colour coded heat shrinkable insulating sleeves - 1 Set									
	Note:- Both Incommer shall be electrically and Mechanically Interlock.	Interlock.									
	Outgoings :										
	400 amps TP+N MCCB. - 1 No.	315 A TPN MCCB. - 1 No.									
	250 amps TP+N MCCB. - 2 Nos.										
	160 amps TP+N MCCB. - 3 Nos.										
	53 amps TP+N MCCB. - 4 Nos.										
	Spare Feeders - 400A TPN MCCB - 1 No										
	125 A TPN MCCB - 1 No										
	63 A TPN MCCB - 2 Nos										
NS - 9	Main L.T Panel	1	Nos	2,00,000.00	2,00,000.00	1.00	2,00,000.00	0.00	0.00	0.00	0%
2	MDB - 1 (Light & Power Panel)										
	Incoming										
	400 Amps TP+N MCCB with following accessories:	Digital electronic VAF meter with and 400/5 Amps 5 VA, CL 1 CIs - 1 Set									

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 General Manager (E&S)
 SPG, CII, GAIL, SAIL, IIT
 NBCC (India), LSTC
 A Govt. of India Sectoral
 NBCC India, Mumbai, Mumbai

S. No.	Item No.	Description	As Per BOQ				Actual	Variation in %
			Qty.	Unit	Rate	Amount		
		Phase indicating light shall be protected by 2 Amps SP MCB's. -3 Set.						
		600 Amps TPN aluminium bus bars with heat shrinkable insulation sleeve. -						
		Bus Bars						
		1 Sel:						
		Outgoing						
		250 A TPN MCCB - 2 Nos						
		200 A TPN MCCB - 2 Nos						
		100 A TPN MCCB - 3 Nos						
		63A 4 Pole MCB - 12 Set						
		40 A 4 pole MCB - 2 Set						
		Spare Feeders						
		63 A 4 pole MCB - 2 Nos						
		<i>Note:</i>						
		All MCCB's shall be of 25 KA breaking capacity.						
		All MCB's shall be of 10 KA breaking capacity.						
		NS - 10						
		MDB - 1 Light & Power Panel						
		3 SDB - 1 & 2 (Light & Power Panel)						
		Incoming						
		200 Amps TPN+N MCCB with following accessories:						
		Digital electronic VAF meter with and 20/5 Amps 5 VA, CL 1 CT's - 1 Set.						
		Phase indicating light shall be protected by 2 Amps SP MCB's. -3 Set.						
		Bus Bars						
		315 Amps TPN aluminium bus bars with heat shrinkable insulation sleeve. -						
		1 Sel:						
		Outgoing						
		63A 4 Pole MCB - 8 Set						
		80 A 4 Pole MCB - 8 set						
		Spare Feeders						
		63 A 4 pole MCB - 4 Nos						
		<i>Note:</i>						
		All MCCB's shall be of 25 KA breaking capacity.						
		All MCB's shall be of 10 KA breaking capacity.						
		NS - 11						
		SDB - 1 & 2 (Light & Power Panel)						
		4 MDB - 2 (HVAC Panel)						
		Incoming						
		250 Amps TPN+N MCCB with following accessories:						
		Digital electronic VAF meter with and 25/5 Amps 5 VA, CL 1 CT's - 1 Set						
		Phase indicating light shall be protected by 2 Amps SP MCB's. -3 Set.						
		Bus Bars						
		300 Amps TPN aluminium bus bars with heat shrinkable insulation sleeve. -						
		1 Sel:						
		Outgoing						
		63A TPN MCCB - 6 Set						
		Spare Feeders						
		63 A TPN MCCB - 2 Nos						
		<i>Note:</i>						
		All MCCB's shall be of 25 KA breaking capacity.						
		All MCB's shall be of 10 KA breaking capacity.						
		NS - 12						
		IMDB - 2 (HVAC Panel)						
		5 MDB - 3 (Kitchen Panel)						
		Incoming						
		160 Amps TPN+N MCCB with following accessories:						
		Digital electronic VAF meter with and 16/5 Amps 5 VA, CL 1 CT's - 2 Set						
		Phase indicating light shall be protected by 2 Amps SP MCB's. -6 Set.						
		Bus Bars						
		200 Amps TPN aluminium bus bars with heat shrinkable insulation sleeve. -						
		1 Set:						
		Outgoing						
		63 A 4 Pole MCB - 6 Nos						

NAGARKIARAN

General Manager (Electrical)
Sectt Office (Rm No. 5, U.C.)
NECC (India) Limited
A Govt. of India's Sectoral Enterprise
NECC Plaza, Sector 20, Noida-201301

S. No.	Item No.	Description	As Per BOQ			Actual Quantity	Amount	SAVINGS (-)	DEV (+)	Variation in %
			Qty.	Unit	Rate					
	63A 4	Pole MCB with 53 A. 4 Pole RCCB of 30mA. 2 No.								
	40A 4	Pole MCB with 40 A. 4 Pole RCCB of 30mA. 2 No.								
	Spare MCB's of the following .									
	63 A. 4	Pole MCB - 1 No.								
	40 A. 4	Pole MCB - 1 No.								
	All MCCB's shall be of 25 KA breaking capacity.									
	All MCCB's shall be of 10 KA breaking capacity.									
13	NS - 13	MDB - 3 (Mcb+panel) described as above	1	Nos	57,500.00	57,500.00	57,500.00	0.00	0.00	0%
	5	MDB - 4 (PJS O/G Panel)								
	Incoming	100 Amps TP+N MCCB with following accessories:								
		Digital electronic VAF meter with and 100/5 Amps 5 VA, CL 1 CTS - 1 Set								
		Phase indicating light shall be protected by 2 Amps SP MCBS. - 3 Sets								
	B us Bars	150 Amps TPN aluminium bus bars with heat shrinkable insulation sleeve. -								
	1 Set									
	Outgoing									
	63A 4 pole MCB = 3 Set									
	40 A. 4 pole MCB = 3 set									
	Spare Feeders									
	63 A. 4 Pole MCB - 2 Nos									
	Note:	All MCCB's shall be of 25 KA breaking capacity.								
		All MCCB's shall be of 10 KA breaking capacity.								
14	NS - 14	MDB - 4 (PJS O/G Panel)								
	7	150 KVAR CAPACITOR AUTOMATIC CONTROL PANEL								
	Incoming									
	1	No 315amps TP+N MCCB with following accessories:								
	VAF digit. electronic meter with inbuilt selector switch and 40/05 Amps									
	switchable VA. CL 1 CTS - 1 Set									
	Phase indicating light shall be protected by 2 Amps SP MCBS. - 3 Sets									
	Power factor compensating relay (including power factor meter) in 8 steps for automatic cut off or add									
	on capacitor units to keep the power factor at 0.97 with variation of loads. All associated auxiliary contactors / relays / timer / auto manual selector									
	switches to be provided - 1 Set.									
	Bus Bars	400 amps TPN Aluminium bus bars with coloured heat shrinkable insulated								
	slit sleeves. - 1 set									
	Outgoings - I									
	Outgoing feeders consisting of following accessories:									
	40 amps TP+N MCCB - 2 Set									
	40 amps or capacitor duty 440 volts 50Hz contactors - 2 Sets									
	"ON / OFF" push buttons and indicating lamps. - 2 Sets									
	12.5 KVAf Mixed heavy duty MPP capacitor unit with 7% distortion filter as									
	specified - 2 No.									
	Outgoings - II									
	Outgoing feeders consisting of following accessories.									
	80 amps TP+N MCCB - 3 Set									
	70 amps or capacitor duty 440 volts 50Hz contactors - 3 Sets									
	"ON / OFF" push buttons and indicating lamps. - 3 Sets									
	25 KVAR mixed heavy duty MPP capacitor unit with 7% distortion filter as									
	specified - 4 Nos									

S. No.	Item No.	Description	As Per BOQ				Actual		Variation in	
			Qty.	Unit	Rate	Amount	Quantity	Amount	Savings (-)	Dev (+)
15	NS - 15	All MCCB's shall be of 35 KA breaking capacity. Capacitor automatic control panel (150 KVAR) as described above.	1	Each	2,35,000.00	2,35,000.00	1,00	235000.00	0.00	0.00
8	Transformer Isolator Panel	1000 Amps 4 Pole manually operated fully drawout type air circuit breaker with ON/OFF/TRIP indicating lamps with MCBs and over current short circuit and earth fault microprocessor releases (Type 2A or MG or equivalent make)-1 set	1	Each	2,05,000.00	2,05,000.00	0.00	0.00	205000.00	0.00
16	NS - 16	DG Isolator Panel IIC 400 A MCCB Micro processor with RTB & ON/OFF/rip) with complete enclosure	1	Each	60,000.00	60,000.00	0.00	0.00	60000.00	0.00
		Total Sub Head - V (Electrical Panels)					23,59,546.00	2094846.00	265000.00	0.00
		Perforated trays								
18	4.1	Supplying and installing following size of perforated painted with powder coating M.S. cable trays with perforation not more than 17.5%, in convenient sections, joined with connectors,suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required.	75	Mtr	755.00	57,375.00	100.00	76500.00	0.00	19125.00
18.1	4.1.7	600 mm width X 50 mm depth X 1.6 mm thickness	50	Mtr	700.00	35,000.00	50.00	35000.00	0.00	0.00
18.1	4.1.6	450 mm width X 50 mm depth X 1.6 mm thickness	165	Mtr	621.00	102,465.00	200.00	124200.00	0.00	21735.00
18.1	4.1.4	300 mm width X 50 mm depth X 1.6 mm thickness	250	Mtr	531.00	132,750.00	290.00	153990.00	0.00	21240.00
18.1	4.1.2	150 mm width X 50 mm depth X 1.6 mm thickness	100	Mtr	476.00	47,600.00	100.00	47600.00	0.00	0.00
18.1	4.1.1	100 MM width x 50 mm depth x 1.6 mm thickness								
19		Supply of MV cable								
19.1		Supply, following sizes of PVC sheathed XLPE insulated Aluminium conductor multicore control armoured cable of 1.1 KV grade.	120	Mtr	1,275.00	1,53,000.00	750.00	956250.00	0.00	803250.00
19.1	NS - 16	3.5 C x 300 sq mm Al Ar	100	Mtr	1,096.00	1,05,600.00	450.00	475200.00	0.00	369600.00
19.1	NS - 17	3.5 c x 240 Sq mm Al Ar	250	Metre	825	2,06,250.00	500.00	412500.00	0.00	206500.00
19.1	NS - 18	3.5 c x 185 Sq mm Al Ar	150	Metre	451	67,650.00	160.00	72160.00	0.00	4510.00
19.1	NS - 19	3.5C x 95 sq mm Aluminium	200	Mtr	360	72,000.00	200.00	72000.00	0.00	7200.00
19.1	NS - 20	3.5 C x 70 Sq mm Al Ar	150	Metre	178	26,700.00	150.00	26700.00	0.00	0.00
19.1	NS - 21	4C x 25 sc mm Aluminium	1750	Metre	116	2,03,000.00	1,750.00	203000.00	0.00	0.00
19.1	NS - 22	4C x 16 sc mm Aluminium	300	Meter	115	34,500.00	555.00	63825.00	0.00	28335.00
19.1	NS - 23	4C x 10 sc mm Aluminium								
20	9.1	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XL PE aluminium conductor cable of 1.1 KV grade as required.	6	each	936	5,616.00	18.00	16848.00	0.00	11232.00
20.1	9.1.29	3.5 C x 300 sq mm Al Ar	4	Each	702	2,808.00	8.00	5616.00	0.00	2808.00
20.2	9.1.36	3.5 c x 24 J Sq mm Al Ar	14	Each	473	6,622.00	12.00	5676.00	0.00	100%
20.3	9.1.27	3.5 c x 185 Sq mm Al Ar	6	Each	250	1,500.00	4.00	1000.00	0.00	-33%
20.4	9.1.24	3.5C x 95 sq mm Aluminium	4	Each	368	1,472.00	6.00	2208.00	0.00	736.00
20.5	9.1.34	3.5 C x 70 Sq mm Al Ar	36	Each	250	9,000.00	36.00	9000.00	0.00	50%
20.6	9.1.23	4C x 25 sc mm Aluminium	6	Each	219	1,314.00	30.00	6570.00	0.00	0%
20.7	9.1.33	4C x 16 sc mm Aluminium								5296.00
20.8	9.1.32	4C x 10 sc mm Aluminium								400%
		Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and								
21	7.6	refilling the trench etc as required	3500	Metre	23	80,500.00	1,565.00	33995.00	44505.00	0.00
21.1	7.6.1	Upto 35 sq mm	150	Mtr	38	5,700.00	375.00	14250.00	0.00	8550.00
21.2	7.6.2	Above 35 sq mm and upto 95 sq. mm	250	Mtr	52	13,000.00	0.00	13000.00	0.00	150%
21.3	7.6.3	Above 95 sq mm and upto 185 Sq mm					13,71422.00	2816088.00	58951.00	-100%
		Total SUB HEAD - VI Cable Tray & Cables								1503617.00

S. No.	Item No.	Description	As Per BOQ			Actual	Savings (-)	Dev (+)	Variation in %
			Qty.	Unit	Amount				
SUB HEAD-IX-EARTHING SYSTEM+ LA System									
22	5.4	Earthing with G.I. earth plate 300 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate, having locking arrangement and watering pipe of 2.1 meter long etc. with charcoal/ coke and salt as required.	20	Set	6216	124320	0.00	0.00	0%
23	5.6	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	4	set	11794	47176	0.00	0.00	0%
24	5.15	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	1000	RM	206	206000	0.00	0.00	0%
25	5.14	Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required.	150	RM	1009	151350	0.00	0.00	0%
26	6.2	Providing and fixing lightning conductor finial made of 25 mm dia 300 mm long G.I. tube, having single prong at top, with 65 mm dia 6 mm thick G.I. base plate including holes etc. complete as required.	6	Nos	448	2688	10.00	4480.00	0.00
27	6.3	Fixing of lightning conductor finial (single prong) with base plate including holes etc. complete as required.	6	lot	280	1680	6.00	1680.00	0.00
28	6.7	Providing and fixing G.I. tape 20 mm X 5 mm thick on parapet or surface of wall for lightning conductor complete as required.(For horizontal run)	600	RM	104	62400.00	1,200.00	124800.00	0.00
29		Providing and fixing G.I. tape 20 mm X 5 mm thick on parapet or surface of wall for lightning conductor complete as required.(For vertical run)	300	RM	163	48900.00	300.00	48900.00	0.00
30	6.9	Fixing of copper/G.I. tape 20 mm X 5 mm thick on parapet or surface of wall for lightning conductor complete as required.(For horizontal run)	600	RM	65	39000.00	900.00	58500.00	0.00
31	6.1	Fixing of copper/G.I. tape 20 mm X 5 mm thick on parapet or surface of wall for lightning conductor complete as required.(For vertical run)	300	RM	131	39300.00	500.00	65500.00	0.00
Total of Sub-Head - IX carried to summary sheet									
Sub Head - X External Lighting System (Land scape)									
31	NS - 24	1. SITC of External Landscape Bollard Lights (9 watt LED) with complete accessories	135	Nos	3,500.00	4,72,500.00	135.00	472500.00	0.00
32	NS - 25	2. SITC of 3 x 2.5 sq mm Copper Ar cable for external Light Fixtures	3500	RM	115	4,02,500.00	3,500.00	402500.00	0.00
33	NS - 26	3. SITC of external Feeder Pillar for External Light Fixtures	2	Nos	20,000.00	40,000.00	2.00	40000.00	0.00
Total of Subhead - X carried to summary sheet									
1		ADDRESSABLE TYPE FIRE DETECTION SYSTEM							
Supplying, installation, testing and commissioning of micro processor based intelligent addressable main fire alarm panel central processing unit with the following loop modules and capable of supporting not less than 240 devices (including detectors and minimum 120 detectors per loop and loop length up to 2 km, network communication card, minimum 320 character graphics/ LCD display with touch screen or other keypad and minimum 4000 events history log in the non volatile memory (EPROM), power supply unit (230 ± 5% V, 50 Hz), 4-8 hrs back-up with 24 volt sealed maintenance free batteries with automatic charger. The panel shall have facility to connect printer to printout log and facility to have seamless integration with analog/digital voice evacuation system (which is part of the schedule of work under Sh: PA System) and shall be compatible with all accessories. The panel shall be compatible for BMS system with open protocol BACnet / Modbus over IP complete as per specifications.									
1	42767	Two Loop Panel	1	Nos	235907.00	2,38,907.00	1.00	238907.00	0.00
1.1	17.2.1.2								0%

S. No.	Item No.	Description	As Per BOQ				Actual	Savings (-)	Dev (+)	Variation in %
			Qty.	Unit	Rate	Amount				
2	17.2.4	Supplying, installation, testing & commissioning of intelligent addressable thermal detector with rate of rise cum fixed temperature thermistor complete with base as required. (Smoke Detector)	185	Nos	2846.00	5,26,510.00	48.00	136608.00	389902.00	0.00 -7%
3	17.2.7	SRTC of Fault isolator complete with Base as required	10	Nos	3257.00	32,570.00	10.00	32570.00	0.00	0.00 0%
4	17.2.5	Supplying, installation, testing & commissioning response indicator on surface/recess MS box having two LEDs metallic cover complete with all connections etc. as required.	15	Nos	263.00	3,945.00	15.00	3945.00	0.00	0.00 0%
5	17.2.14	Supplying, installation, testing & commissioning of addressable manual call point complete as required.	20	Nos	3859.00	77,180.00	20.00	77180.00	0.00	0.00 0%
6	17.2.15	Supplying, installation, testing & commissioning of addressable horn cum strobe complete as required.	20	Nos	3494.00	69,880.00	20.00	69880.00	0.00	0.00 0%
7	17.2.10	Supplying, installation, testing & commissioning of addressable control/Monitor Module complete as required.	10	Nos	2990.00	29,900.00	10.00	29900.00	0.00	0.00 0%
8	17.2.11	Supplying, installation, testing & commissioning of addressable Phone control Module complete as required.	4	Nos	3255.00	13,020.00	4.00	13020.00	0.00	0.00 0%
9	17.2.17	Supplying, Installation of Fire Fighter Hand set Addressable Phone control Module complete as required.	2	Nos	5727.00	11,454.00	2.00	11454.00	0.00	0.00 0%
10	17.5.1	Supply & laying of 2 x 1.5 sq mm Fire Survival Copper Ar cable (600/1000 V) with LSZH inner & outer sheath & steel wire armouring complete as required	3500	Rm	328.00	11,48,000.00	1,750.00	574000.00	0.00	-50%
		Total as stated above				21,51,366.00		1187464.00	963902.00	0.00
		PUBLIC ADDRESS SYSTEM								
1	DSR-17.3.1	Supplying, installation, testing & commissioning of 6 zone, voice alarm controller with USB, MP3 player (including 6 zone button paging station) with seamless integration facility with main fire alarm panel for voice evacuation complete as required	1	Nos	126399.00	1,26,399.00	1.00	126399.00	0.00	0.00 0%
2	DSR-17.3.2	Supplying, installation, testing & commissioning of 1.5/3/6W Ceiling speaker complete as required.	20	Nos	952.00	19,040.00	20.00	19040.00	0.00	0.00 0%
3	DSR-17.3.3	Supplying, installation, testing & commissioning of 1.5/3/6W metal box ceiling/wall speakers complete as required.	20	Nos	1780.00	35,600.00	20.00	35600.00	0.00	0.00 0%
3	DSR-17.3.7	Supplying, installation, testing & commissioning of digital audio amplifier 75 Watt, 25V rms operating at 240 Volt AC Supply complete as required.	2	Nos	145780.00	2,91,560.00	2.00	291560.00	0.00	0.00 0%
4	DSR-17.3.9	Supplying, installation, testing & commissioning of Voice command keypad 6 zone, with microphone assembly complete as required.	1	Nos	81743.00	81,743.00	1.00	81743.00	0.00	0.00 0%
5	DSR-17.5.3	Supplying and drawing of cable Fire Retardant PVC insulated copper conductor cable in the existing surface / recessed steel conduit of following pairs, cores and size including connections and interconnections etc. as required.	1000	Nos	51.00	51,000.00	1,000.00	51000.00	0.00	0.00 0%
6	DSR-17.5.3.1	Speaker cable Single pair, 2-core, 1.5 sqmm	50	Mtr	50.00	2,500.00	50.00	2500.00	0.00	0.00 0%
6	DSR-17.5.4	Supplying and fixing 25 mm dia MS flexible pipe with PVC coating along with all ancillaries and accessories like coupler etc. as required								
7	DSR-1.2.1	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.	700	Rm	90.00	63,000.00	700.00	63000.00	0.00	0.00 0%
7.1	1.2.1.2	25 mm dia				6,70,842.00		670842.00	0.00	
		Total as stated above								
		CCTV SURVEILLANCE SYSTEM								


NAGARAJAN
 Dr. General Manager (Engg.)
 SPCL Circle 30, 5, U.G.
 NBCC India Limited
 A.G.C. of India, Sector 17A,
 MECC Phase 1, Panchkula, Haryana

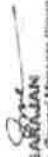
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S. No.	Item No.	Description	As Per BOQ				Actual			Variation In %
			Qty.	Unit	Rate	Amount	Quantity	Amount	SAVINGS (-)	
1		Supplying, installation, testing and commissioning of 2 megapixels resolution Network Dome Camera for true HD quality images. 2.8 – 12 mm varifocal lens, True Day/Night (TDN) functionality for true color image Motion Detection 4 Zones, Multi- Level Sensitivity Privacy Zones 4 Zones, Snapshot Support JPEG format Password Protection Support Character Display Support (Channel [Date]) ONVIF Yes, IR illumination 20-30M IR illuminators for clear images in low light conditions. Wide Dynamic Range 3D noise reduction for sharper images and lower bandwidth use in low light ONVIF compliant complete in all respect. Make: Hikvision/Godraal/CPP plus	20	Each	7500.00	150,000.00		150,000.00	0.00	0.00
2		Supply, installation, testing and commissioning of 2 megapixels resolution Network Bullet camera camera, 1/2.8" SONY 2.4/3.1 mega low noise CMOS Video Compression: Mechanical ICR, Minimum Illumination-0.1lux/F1.4(R ON) IR Illumination-40-50M, Electronic Shutter-Auto/Manual(1/125-1/10000) Lens 2.8 – 12 mm varifocal lens, Resolution Main-stream: Cx (01/080P(960*540)/HD720P) HD1080P 1.3MP 30fps, Digital Noise Reduction-3D Wide Dynamic Range-DWDR Motion Detection 4 Zones, Multi-Level Sensitivity Privacy Zone-4, Zones Snapshot-Display-Support,Character Protection-Support,Part (Date),Regulatory Emissions-FCC Part 15, CE: EN55022, Immunity -CE: EN50130-4, IP Rating-IP66 endosure to protect against dust and water damage ONVIF compliant . Make: Tyco/Mobotix/Pelco	4	Each	9500.00	38,000.00	4.00	38000.00	0.00	
3		Supply, Installation, testing and commissioning of Network Video Recorder Live view/Resolution 5MP/3MP/1080p/720p Motion Detection Control Mask Control, USB 2.0 and 1 × USB 3.0, Security-HTTPS, SSL, Wilemark, User Authentication, Miscellaneous-N-1 hot spare, Alarm in/out-4 /1, Network interface-1 RJ-45 10 /100 /1000 Mbps Self-Adaptive Ethernet interface, Security-HHTPS, 100Mbps, Outgoing bandwidth-80Mbps, HDMI output, VGA Output, TCP/IP protocol, PPPoE, DHCP, DNS, DDNS, NTP, SADP, SMTP, SNMP, NFS, and iSCSI are supported. TCP, UDP and RTP for unicast, UPnP, MTP, ONVIF, PSSA/Support 16 IP Camera, 2 SATA interfaces for 2xHDDs Until 4TB for each disk. Make: Hikvision/Godraal/CPP plus	1	Each	45000.00	45,000.00	1.00	45000.00	0.00	0.00
4		Supply, Installation, testing and commissioning of 4TB HDD.	2	Each	25000.00	50,000.00	2.00	50000.00	0.00	0.00
		CCTV SURVEILLANCE SYSTEM								
5		Supply, installation, testing and commissioning of Video Management System (VMS) software shall be used to record video from capture cards and IP devices connected to local and wide area networks. The VMS software shall have a client/server-based architecture that can be configured as a stand-alone VMS system with the client software running on the server/Client, and the client running on any network-connected PC/PNP workstations. Multiple client workstations shall be capable of simultaneously viewing live and/or recorded video from one or more servers. Multiple servers shall also be able to simultaneously provide live or more workstations. The VMS Server software shall also have the ability to be installed on an IP edge device—such as an IP camera or encoder that allows for third party applications—allowing the device to serve as both a server and IP video recording device. The VMS shall not charge for the number of concurrent clients (min. 50 thick clients and 15 mobile clients to be provided along with VMS). Make: Tyco/Mobotix/Pelco	1	Each	75000.00	75,000.00	1.00	75000.00	0.00	0.00
6		Supply, Installation, Testing and Commissioning of Processor PC Intel(R) Core(TM) i7-3770 Processor (8M Cache, up to 3.90 GHz), Memory 4GB, NON-ECC, 1600MHz; RAM: 4GB (1x4GB) Non-ECC DDR3 1600MHz-SDRAM, Graphics Card: Network Interface card: Integrated Intel(R) Dual Band Wireless-AC 7265, Intel(R) Dual Band Wireless-AC 7265, Memory Keyboard: 12 function keys; Chassis: Tower/Workstation; DVD: BX Slimline DVD+/-RW, Data Only: 20" TFT Monitor; Dual SFP 3.5" SATA SSD's Hard Drive, Operating system: Windows 7 Professional 64 Bit.	1	Each	65000.00	65,000.00	1.00	65000.00	0.00	0.00
7		Supply, installation, testing & commissioning of 24 Port PoE+ Switch with 2 SFP slots 12 x 10/100/1000 Base-T PoE+ ports and additional 2 100/1000X SFP PORTS Should support PoE+ as per IEEE 802.3 at with PoE budget of 100W Should support STP, RSTP, MSTP, IGMP v1/v2/v3 snooping, S1P root guard, Voice VLAN, MLD snooping (MLDv1 and v2), IEEE 802.3ac VLAN tagging IEEE 802.11 (equivalent for sub 50ms ring protection in following scenario: single dual fibre cuts in ring and when fibre c/f at common shared link in between two or more rings). Make: Juniper/Dell/Extreme.	2	Each	15500.00	31,000.00	2.00	31000.00	0.00	0.00
8		Supplying, Installation, testing & Commissioning of 32 " LED Full HD TV complete in all respect.	2	Each	45000.00	90,000.00	2.00	90000.00	0.00	0.00
		GCTV SURVEILLANCE SYSTEM								
		Supplying of 4-pair Unshielded Twisted pair cable verified by ETU/ tested by 3P for category 6 performance certificate must be available on 3PIETL website, must be meeting Category 6 standards as per TIA-568C.2, the cable should be tested till 250 MHz. Fire-Resistant, Low-Smoke & Zero-Halogen and Shall be tested by 3PIETL or IEC 60332-1-2, IEC 60332-2 & IEC 60754-1 respectively. Make: Legrand/Stimmons/Pensul	1500	RM	45	67,500.00	1,500.00	67500.00	0.00	0.00
		Supplying and fixing of following sizes of PVC (FRAS) Conduit along with the accessories in surfaces / recesses including cutting the wall and making good the same in case of recessed conduit etc. complete as required.								

S. No.	Item No.	Description	As Per BOQ				Actual	Variation In
			Qty.	Unit	Rate	Amount		
	9.1	25mm dia	850	RM	45	38,250.00	38,250.00	0.00 0%
	9.2	20 mm dia	450	RM	35	15,750.00	15,750.00	0.00 0%
		Total ACS & CCTV system				6,65,500.00	66,650.00	0.00 0%
1	NS-1	Design and providing and fixing testing and commissioning of following equipment required for solar power generating system of capacity (dc) as per design	45	KWP	55,000.00	24,75,000.00	24,75000.00	0.00 0%
2	NS-2	Solar Rooftop System with >30Wp PV Modules 45 Kwp Poly crystalline Solar String inverter 1x45 Kwp or Balance of the system with Module Mounting structure G.I/AI, wire, cable, ACDB, DCDB, LA, earthing system, remote monitoring, accessories.						
3	NS-3							
1	NS-4	SITC of NEC Make EPABX system (NEC - SV 9100) complete with all accessories with I/C line - 4 Nos & extension lines upto - 200 Nos	1	Lot	9,75,000.00	9,75,000.00	975000.00	0.00 0%
		TOTAL OF Solar PV system			34,50,000.00	34,50000.00	0.00 0.00	
		TOTAL ELECTRICAL WORK			2,78,51,850.00	25597916.00	5662276.00	3408342.00
		FURNITURE						
1		Supplying & Installation of Bed of Size : Length - 2100 mm Width - 915 -940 mm, Height - 450 mm. Bed to have box type construction. Head board is made of 18 mm thick block board/ Ply with 0.8mm thick laminate on both side with 18mm thick decorative trim. made up of block board/Ply in same laminate fixed to it with a Aluminium strip insert. Tail board is made of 18 mm thick block board/Ply with 0.8mm thick laminate on both side with 18mm thick decorative trims. made up of block board/ Ply in same laminate fixed to it with a Aluminium strip insert. Side rail is made of 18 mm thick block board/Ply with 0.8mm thick laminate on both side. Mattress and under storage panels of Bed are made of 12mm thick plywood. Knock Down construction as per direction of exposed edges are to be edge banded with 2 mm thick PVC edge banding. Knock Down construction as per direction of Engineer-In-Charge	300	Nos.	9800.00	29,40,000.00	315.00 147000.00 5%	
2		Supplying & Placing of Wardrobe of size 2000mm(H) x 900mm(W) x 450mm(D) made up of 18mm block board/Ply with 0.8mm thick laminate on outer side and backling laminate on the inner side. The wardrobe shall have a hanging arrangement with two lockable drawer units and a storage shelf as shown. All exposed edges are to be edge banded with 2 mm thick PVC edge banding and unexposed with 0.8mm edge banding. All the necessary hardware shall be of reputable make as per direction of engineer in charge	300	Nos.	17483.00	52,44,900.00	315.00 262245.00 5%	
3		"Supplying & Installation of Study Table of 1000 mm (L) x 600 mm (D) x 750 mm (H) having one Drawer on the right side of table. Work Top shall be made up of 25mm thick block board/Ply with 0.8mm thick laminate on both side. Side panel and midsete are made up of 16mm thick block board/Ply with 0.8mm thick laminate on both side. All exposed edges are to be edge banded with 2 mm thick PVC edge banding. Table to be in knock down construction as per direction of Engineer-In-Charge"	300	Nos.	7500.00	22,50,000.00	315.00 2362500.00 0.00 112500.00 5%	
4		SUPPLY & INSTALLATION OF BED SIDE TABLE + DRAWER SIZE : 400W X 150D X 450HT Specification: Made of 18mm Thick Block Board/Ply, with One Drawer and Storage without Shutter.	300	Nos.	2250.00	6,75,000.00	315.00 708750.00 0.00 33750.00 5%	
5		Supplying & Placing in position study chairs of following specifications. The seat & back shall be fabric upholstered fitted to seat tray with back & frame made out of American hardwood. Chairs should be sprung-based, with armrest constructed of American hardwood. The chair should adhere to GREENGUARD and ANSI/BIFMA Standards. The Product should be complete as per the approved sample and as per 25.5° Warranty 5 years. Product to be SCS Indoor Advantage™ Gold certified	160	Nos.	1800.00	2,88,000.00	315.00 567000.00 0.00 279000.00 97%	
6		Providing and Laying BED SHEET for Single Bed white sheet contains set of 2 sheet Size 1524mm/ 80in X 2286mm / 90in X 2286mm / 27". 2 PILLOW COVERS, Size : 457mm / 18" X 666mm / 27". Sheet count: 144 Thread count:	300	Nos.	1500.00	4,50,000.00	315.00 472500.00 0.00 22500.00 5%	


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 Owner & Manager (Prop.)
 SPC Chaitanya, A. U. C.
 NOCC Member Limited
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S. No.	Item No.	Description	As Per BOQ			Actual Amount	SAVINGS (-)	DEV (+)	Variation In %
			Qty.	Unit	Rate				
7		Providing and laying of MATTRESS of Dimensions: Length 81 in (200-205 cm), 36 in Width (91.44 cm), 5 in Height (12.7 cm). Mattress is made from innovative Magicore PU Foam for maximum comfort and long lasting support. Its latest noth side quilting and superfine Printed cotton fabric makes it body friendly and gives value for money for years. Internal Cross Section:- Please Note :- It is a Hard Foam Mattress. Warranty of 10 years.	300	Nos.	4250.00	12,75,000.00	315.00	1338750.00	0.00
8		Providing and laying of Micro Fibre PILLOW Size :27in / 686 mm × 17in / 432 mm .	300	Nos.	750.00	2,25,000.00	315.00	236250.00	0.00
9		Providing and fixing roller blinds/Curtain for each window in Typical room with all complete fittings SS Rod/Accessories etc., as per drawing , design and direction of Engineer-in-Charge. Make: Mac , Vista or equivalent.	170	Nos.	950.00	1,61,500.00	160.00	152000.00	9500.00
TOTAL OF FURNITURE						1,35,09,400.00		14431895.00	9500.00
GRAND TOTAL						27,52,14,807.1		56914875.73	102942740.86


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CONSTRUCTION OF 300 BEDDED HOSTEL AT DR KSSR, NEW DELHI

Extra item Statement No.1

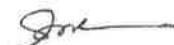
S.N	Description	Civil	Electrical (D)	HVAC	Total Amount
1	Total Value of Extra item Base on DSR 2018 (A).	88,81,570.81	13,27,777.00		1,02,09,347.81
2	Total Value of Substitute Item (B)	1,31,22,926.26			1,31,22,926.26
Total	2,20,04,497.07	13,27,777.00	0.00	2,33,32,274.07	
	Discount 30.33%	66,73,963.96	4,02,714.76	0.00	70,76,678.73
	Total After Discount	1,53,30,533.11	9,25,062.24	0.00	1,62,55,595.35
3	Total Value of Extra item Base on Market Rate (C)	22,44,179.60			22,44,179.60
	Total Amount of Extra Item	1,75,74,712.71	9,25,062.24	0.00	1,84,99,774.95

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CONSTRUCTION OF 300 BEDDED HOSTEL AT DR KSSR, NEW DELHI						
Civil Extra item base on DSR 2018						
S.No.	DSR 2018 No	Description of Items	Unit	QTY	Rate	Amount
DSR-Ex.01	13.16	6 mm cement plaster of mix :				
	13.16.1	1:3 (1 cement: 3 fine sand)	sqm	8375.76	227.35	19,04,229.49
DSR-Ex.03	13.22	Extra for plastering exterior walls of height more than 10 m from ground level for every additional height of 3 m or part thereof.	sqm	3007.63	65.95	1,98,353.20
DSR-Ex.04	13.43	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface :				
	13.43.1	Water thinnable cement primer	Sqm	34148.02	60	20,48,881.32
DSR-Ex.05	10.27	Providing and fixing carbon steel galvanised (minimum coating 5 micron) dash fastener of 10 mm dia double threaded 6.8 grade (yield strength 480 N/mm ²), counter sunk head, comprising of 10 m dia polyamide PA 6 grade sleeve, including drilling of hole in frame , concrete/ masonry, etc. as per direction of Engineer-in-charge.				
	10.27.4	10 x 140 mm	Each	2718	145.65	3,95,876.70
DSR-Ex.06	11.23	Marble stone flooring with 18 mm thick marble stone, as per sample of marble approved by Engineer-in-charge, over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with grey cement slurry, including rubbing and polishing complete with :				
	11.23.1	Makrana white second quality	Sqm	465.54	3237.8	15,07,325.41
DSR-Ex.07	19.2	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete as per standard design :				
	19.2.4	250 mm diameter S.W. pipe	metre	992.68	1346.95	13,37,090.33
DSR-Ex.08	5.30	Add for plaster drip course/ groove in plastered surface or moulding to R.C.C. projections,	metre	7293.15	58.80	4,29,566.54
	18.7	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer In Charge. Internal work - Exposed on wall				
DSR-Ex.09	18.7.2	20 mm dia. nominal bore	metre	785.26	306.95	2,41,035.56
DSR-Ex.10	18.7.3	25 mm dia. nominal bore	metre	495.00	369.20	1,82,754.00
DSR-Ex.11	18.7.4	32 mm dia. nominal bore	metre	396.80	480.55	1,90,682.24
DSR-Ex.12	18.7.5	40 mm dia. nominal bore	metre	113.75	648.60	73,778.25
DSR-Ex.13	9.135	Providing and fixing fly proof stainless steel grade 304 wire gauge, to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia. 0.50 mm all complete				
	9.135.2	With 12 mm mild steel U beading	sqm	243.37	1001.50	2,43,735.06
DSR-Ex.14	16.4	Laying, spreading and compacting stone aggregate of specified sizes to WBM specifications in uniform thickness, hand picking, rolling with 3 wheeled road/vibratory roller 8-10 tonne capacity in stages to proper grade and cember, applying and brooming requisite type of screening / binding material to fill up interstices of coarse aggregate, watering and compacting to the required density	Cum	167.17	767.25	1,28,262.72
	TOTAL (A) .					88,81,570.81
	Less-Discount (30.33%)					26,93,780.43
	Total After Discount					61,87,790.38


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Substitute Item Statement

CONSTRUCTION OF 300 BEDDED HOSTEL AT DR KSSR, NEW DELHI									
S.No.	DSR 2018	Description of Substitute Items	Unit	Qty	As Per LOA Rate	Amount	As per Substitution Rate	Amount	Financial Implication
Substitute-1	11.41	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS : 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), including grouting the joints with white cement and matching pigments etc., complete.	Sqm						
Substitute-2	11.41.2	Size of Tile 600x600 mm	Sqm	4552.86	1806.60	8226107.45	1500.55	6831724.07	-1394313
Substitute-3	11.45	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), including grouting the joint with white cement & matching pigments etc. complete.	Sqm						
Substitute-4	11.46.2	Size of Tile 600x600 mm	Sqm	366.93	1806.80	662971.38	1545.85	567220.67	-95751
Substitute-5	12.53	Providing and Fixing 15 mm thick densified regular edged eco friendly light weight calcium silicate false ceiling tiles of approved texture of size 595 x 595 mm in true horizontal level suspended on inter locking metal grid of hot dipped galvanised steel sections (galvanising @ 120 grams per sqm including both side) consisting of main "T" runner suitably spaced at joints to get required length and of size 24x38 mm made from 0.33 mm thick (minimum) sheet, spaced 1200 mm centre to centre, and cross "T" of size 24x28 mm made out of 0.33 mm (Minimum) sheet, 1200 mm long spaced between main "T" at 600 mm centre to centre to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24 x28 mm brand and manufacturer over the plastered wall surface to prepare the surface even and smooth complete.	Sqm	516.60	1,881.60	972034.56	1643.95	849264.57	-122770
Substitute-6	13.80	Providing end applying white cement based putty of average thickness 1 mm of approved brand and manufacturer over the plastered wall surface to prepare the surface even and smooth complete.	Sqm	34148.02	196.7	6716915.92	115.15	3932144.73	-2784771
	9.162	Providing and fixing 60 mm thick glazed fire resistant door shutters of 120 min Fire Rating confirming to IS:3614 (Part II) or EN1634-1:1999, tested and certified as per laboratory approved by Engineer-in-charge, with suitable mounting on door frame, consisting of vertical styles, top rail & side rail 60 mm x 60 mm wide and bottom rail of 110 mm x 60 mm made out of 1.6mm thick G.I. sheet (Zinc coating not less than 120g/m ²) duly filled mineral wool insulation having density min 95 kg/ m ³ and fixing with necessary stainless steel ball bearing hinges of size 100x85x3mm of approved make, including applying a coat of approved fire resistant primer or powder coating not less than 30 micron etc all complete as per direction of Engineer-in-charge (panelling to be paid for separately).	Sqm	84.71			8379.3	709810.50	
	9.163	Providing and fixing non load bearing fixed frame for fire resistant glazed Partition for 120 minutes Fire Rating, made out to a profile of dimension 60mm x 70 mm of 1.6 mm thick galvanised steel sheet as per test evidences suitable for fixing fire rated glass for 120 minutes or both integrity & radiation control (EW120) & minimum 20 minutes of insulation (E120). The profile has to be fixed to the supporting construction by means of anchor fasteners of size M10 x 80, every 150 mm from the edges and every 500 mm (approx) o/c. Linear measurement of frame shall be measured for payment. The frame shall be filled with mineral wool insulation of density min 95kg/m ³ and finished with a approved fire resistant primer or Powder coating of not less than 30 micron in desired shade as per NBC 2016, IS 16231 (Part 3); 2016 and directions of Engineer -in-charge	Sqm	153.80		14509	1229057.39	-751939	
		TOTAL (₹)				17807086.7		13122926.3	-51,49,544
		Less-Discount (30.33%)				5400838.4		3980183.5	-15,61,857
		Net Amount				12406197.3		9442742.7	-35,87,687

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By General Manager (Engr)
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CONSTRUCTION OF 300 BEDDED HOSTEL AT DR KSSR, NEW DELHI						
Civil Extra item base on Market Rate						
S.No.	Description of Items	Unit	QTY	Rate	Amount	
MR-1	Providing and fixing C.P. brass Diverter (concealed) with all necessary fittings of standard design and of approved make conforming to IS:8931.(Make-Kohler)	Each	158	8004	1264632	
MR-2	Providing and fixing C.P. Beam Bath Spout with all necessary fittings of standard design and of approved make conforming to IS:8931.(Make-Kohler)	Each	158	3797	599926	
MR-3	Providing and fixing 8mm thick clear multi wall polycarbonate sheets of approved quality and shade in desired shape in roofing including the cost of EPDM gaskets, sealing tape, aluminium profile and all necessary accessories complete as per architectural drawings and as directed by Engineer incharge. The item includes designing the complete system and supplying and getting approved from client and / or reputed engineering institute like IIT etc. The detailed shop drawings including supplying structural design calculations based on relevant codal provisions and carrying out water penetration test as per standards followed in India					
	The whole work is to be done through reputed and approved vendor having experience in polycarbonate work in Commercial/ Govt/ orporate buildings as per architectural elevation drawings including filling of joints with silicon sealant and also with masonry/ RCC work, at all heights including double heights, straight or curved etc. complete in all respect. (Plan Area shall be measured for the payment) (M.S. Framing to be paid for separately).	SQM	251.03	1512.3	379621.6	
TOTAL (c).					2244179.60	



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CONSTRUCTION OF 300 BEDDED HOSTEL AT DR KSSR, NEW DELHI

Electrical Extra item base on DSR 2018

S.No.	DSR 2018 No	Description of Items	Unit	QTY	Rate	Amount
DSR-Ex.02	1.57	Supplying & fixing suitable size GI box with modular plate and cover in front or surface or in recess including providing and fixing 25 A modular socket outlet and 25 A modular SP MCB, "C" curve including connections, painting etc. as required.	Each	168.00	639	107352
	7.10	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required				
DSR-Ex.16	7.1.1	Upto 35 sq. mm	Mtr	1565	323	505495
DSR-Ex.17	7.1.2	Above 35 sq. mm and upto 95 sq. mm	Mtr	225	338	76050
DSR-Ex.18	7.1.3	Above 95 sq mm & upto 185 Sq mm	Mtr	185	352	65120
DSR-Ex.19	7.1.4	Above 185 sq. mm and upto 400 sq. mm	Mtr	1200	396	475200
DSR-Ex.20	2.3	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)				
	2.3.2	8 way , Double door	Each	2.00	1,760.00	3520
DSR-Ex.21	2.14	Supplying and fixing following rating, double pole, (single phase and neutral), 240 volts, residual current circuit breaker (RCCB), having a sensitivity current upto 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
	2.14.3	63 amps	Each	36.00	2,640.00	95040
		TOTAL				1327777.00
		Less-Discount (30.33%)				402714.76
		Total After Discount (D).				925062.24

[Signature]
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Supplementary Agenda Item No.3

Construction of 330 Bed Hostel at SAI, NSSC, Bangalore

The proposal of Rs. 29.46 Cr. for Construction of 330 Bed Hostel at SAI, NSSC, Bangalore was concurred by 94th FCM held on 05.01.2021 under the chairmanship of Secretary (Sports) MYA&S. The same was ratified by 55th GB on 28.09.2021. The proposal is approved under the “NSDF” head.

The work was awarded to M/s Hindustan Steel Works Construction Ltd. (HSCL). The tender was awarded at the cost of Rs. 24.15 Cr. (inclusive of PMC charges and taxes) with a completion period of 15 months.

Subsequently, during 4th Meeting of PMG M/s HSCL mentioned on variation in BoQ Quantity and also some of the additional items were required to include as part of the site/ operational/ functional requirement to the extent which can reasonably be inferred from the original scope of work of proposed infrastructure and the same to be executed.

M/S HSCL has mentioned that the total completion cost of the project will be **Rs. 28.73 Cr. (inclusive of PMC Charges & GST)** in place of the original cost of Rs. 24.15 Cr. The deviation sheet is attached as **Annexure -I**.

Tabulated Form

Sr. No.	Description	Amount
1	Overall Sanctioned Cost	29,46,01,604.00
2	Tender value	22,01,38,429.90
3	Deviation with no change in scope of work and no change/replacement of items	1,69,14,974.20
4	Extra Item/ Substituted Items without change in scope of work	2,13,90,003.38
5	Deviation with change in scope of work (item No. 4 & 7 of Annexure -I)	39,00,000.00
6	Net effect due to Deviation, Extra item and change in scope (3+4+5)	4,22,04,977.58
7	Total Cost of Completion cost (2+6)	26,23,43,407.48
8	RA bill paid before 01.01.2022 (RA 01 - RA03) with 12% GST	1,63,86,844.00
9	RA bill paid after 31.12.2021 (18% GST on RA Bill 04 – RA Bill 21)	19,50,73,441.56
10	RA bill to be paid till final bill incl. 12% GST {7- (8+9)}	6,08,83,121.92
11	Total Value of Bill to be booked in the project (8+9+10+11)	26,23,43,407.48
12	Add 6% GST Addl. implication (provisional)	1,00,00,000.00
13	Provision for survey, soli investigation, architectural and structural drawings by consultant engaged as per MoA Cl. 3.1 @ 1% (shall be claimed as per actual)	27,11,398.00
14	Provision for vetting of structural drawings by reputed	13,55,699.00

	Organization like IIT and any other statutory charge as per MoA Clause No. 3.1 @0.5%-(shall be claimed as per actual)	
14	Total Amount (12+13+14)	27,64,10,504.48
15	PMC Margin @3.33% on 15	92,04,470.00
16	Add GST @18% on 16	16,56,805.00
17	Total expected completion cost	28,72,71,779.00

The physical progress of the work is at 90%. Since, the work is being carried out at rates 18.81% below DSR rates. HSCL has informed that the existing contractor is ready to complete the work as per existing term and condition of contract.

In this regard, M/s HSCL has submitted the deviation statement and additional work to the tune of Rs. 28,72,71,779.00 inclusive of PMC & taxes. The work has drastically slowed down due to pending approval on deviation and additional scope. M/s HSCL assured that the project will be completed within the stated expenditure sanctioned of Rs. 28,72,71,779.00 including the cost of deviation. Further M/s HSCL has intimated that the deviations due to extra items and deviations in quantities of schedule items have been approved by the Competent Authority of HSCL as per their contract conditions.

In view of the above, the total revised expenditure of Rs. 28,72,71,779.00 incl. all charges (Twenty-Eight Crore Seventy-Two Lakh Seventy-One Thousand Seven Hundred Seventy-Nine Only) is submitted in accordance with Rule 141 of GFR 2017 for the concurrence of the Finance Committee. The expenditure will be met out of NSDF scheme as it is within the Sanctioned cost

Concurrence of Finance Committee is solicited for approval of revised cost of Rs. 28,72,71,779.00 incl. all charges (Twenty-Eight Crore Seventy-Two Lakh Seventy-One Thousand Seven Hundred Seventy-Nine Only) (within AA&ES of Rs. 29.46Cr.) for Construction of 330 bed Hostel at SAI, NSSC, Bangalore.

CONSTRUCTION OF 330 BEDDED GIRLS HOSTEL(G+5) AT SAI,NSSC,BANGALORE -

ANNEXURE 1

REVISED ESTIMATE - FINANCIAL IMPLICATION					
Sl No.	Description of Works	Amount		Justification	Status of works
		DSR	NDSR		
1	Awarded Value	220138429.90			Work are In progress
	Total Amount (₹)	220138429.90			
II	Additional Cost implication due to works executed as per the functional requirement inferred from the original scope of work				
1	Expansion Joints	1520165.75		Mandatory/ Inevitable Items as per the functionality requirement of the building. Expansion Joints were the part of the original concept and scope, however the item was missed out in original BoQ but it was given in construction drawing and also it was essential/mandatory to consider as per functional requirement of the Building. In building construction, an expansion joint is a mid-structure separation designed to relieve stress on building materials caused by building movement. Building movement at expansion joints is primarily induced by thermal expansion and contraction caused by temperature changes. These efficiently absorb vibration, it holds part of the construction materials together and allows for the moment of the material because of ground settlements or earthquakes. It also ensure that easy moment of the live loads adding to Isolation from water and moisture.	Work in progress
2	Melanine polish for Flush doors		660,621.36		Work in progress
3	External Electrical Items		1,286,503.42	Mandatory/ Inevitable Items as per the functionality requirement of the building. Items were missed in original BoQ, but were considered in the execution drawings as per the functionality requirement & hence it is mandatory to consider , need to be executed.	Work in progress
4	Chicken Mesh for Plastering		183,936.00		Work completed
5	Metal Fabrication Works	4993789.63		Mandatory/ Inevitable Items as per the safety requirement of female sports person as expressed by clients. As per GFC drawings the hostel room Balcony/drying area MS Railings height given upto 4ft only. But during the inspections of SAI officials, it was decided to provide full height MS Railing i.e. upto ceiling height for balcony and corridor panter box area with same design for safety of female students residing in the said hostel . Fixing of MS Louvers to cover the plumbing lines for better aesthetic appearance purpose and to keep all plumbing lines free of dust/debris as which is exposed to sun light/nature as the item for the same was not considered in original BoQ. originally MS Railing was considered for staircase. However for better appearance and maintenance purpose the railing is to be replaced with SS Railing as required by client	Work in progress
6	Fire Fighting & Fire Protection Works	673068.80	144,036.00	Mandatory/ Inevitable Items as per the functionality requirement of the building. There were some of the items were required to incorporate as per Pre Fire NOC observations such as Fire Extinguisher Water Mist 9 Ltrs and 'C' class heavy duty G.I. pipe etc, and some of the original BoQ items are deviated as per the requirement.	Work in progress
7	Road Works	3730164.58		Mandatory/ Inevitable Items as per the functionality requirement of the building. The surrounding terrain is of undulating nature, self weight of concrete being more than bituminous road shall help in avoiding erosion/weathering issues of sub grade beneath. The said site location is at the lower site profile near to the nala, experienced with the seepage from surrounding profile during foundation works. The Concrete Road's durability is high as compared to bituminous road and resistance against water seepage are comparatively high for a concrete pavement and the maintenance & repairing frequency is also much lower. Also, there is no need of patching or repairs due to wear and tear. These roads are greatly sturdy and can sustain well against extreme weather conditions. Initial cost for construction of concrete road is more but due to less maintenance it works out to be economical. Also it is mentioned that due to these reasons Concrete road is being considered countrywide nowadays. The item substituted with concrete road for better durability and maintenance of the road & specifically as per the Insitu soil /terrain condition.	Works completed

8	HVAC		2,013,259.60	Mandatory/ Inevitable items as per the functionality requirement of the building. As some of the associated items were missed out in original BoQ. To make it fully functional, extra items were operated .	Work in progress
9	Provision of Mesh Door		1,750,479.45	Mesh door for the balcony was not considered in the BOQ and as directed by the client additional provision was made for better functionality.	Work in progress
10	Furniture & Furnishings		7,479,383.32	In original tender BoQ MS furnitures were considered but as client were internally revised upgradation of the facilities for betterment of the functionality and appearance requirement , Ply wood furnitures are considered for hostel rooms & warden rooms.	Work in progress
11	Total Amount	10917188.76	13518219.15		
12	Add GST @18% on NDSR Items		2,433,279.45		
13	Total Amount (DSR+NDSR)	10917188.76	15,951,498.60		
14	Tender rebate @ 18.81%	2053523.21			
15	Total Amount (13-14)	8863665.55			
16	Value without GST	7913987.10			
17	Add GST @ 18% on Sl No.16	1424517.68			
18	DSR Extra Items Cost with 6% additional GST (16+17)	9338504.78			
19	Total Deviation Cost Including GST		25,290,003.38		
22	Deviation in BOQ quantities as per working drawings(provisional)		16,914,974.20	Expected Cost Deviation : as some of the quantities of BOQ items are being deviated due to working drawings and as per the fulfillment of insitu practical & operational functional requirement conditions at site	
23	TOTAL DEVIATION		42204977.58		
	Total Amount(B)		42,204,977.58		
25	Grand Total Amount(A+B)		262,343,407.48		
26	Total Value of Work Done		262,343,407.48		
COMPARISION WITH SANCTIONED COST					
		Sanctioned	Actual/probable		
27	Value of Work done	271139832	262343407		
28	Add 6% Additional GST(Provisional)		10000000		
29	Provision for survey, Soil Investigation etc	2711398	2711398		
30	Wetting of structural drawings	1355699	1355699		
31	Total Amount	275206930	276410505		
32	Contingency 3 % on Sl No.31	8256208			
33	Total Amount(31+32)	283463138	276410505		
34	Add Construction Agency charges 3.33% on Sl No.33	9439322	9204470		
35	Add GST on CA charges 18% on Sl. No.34	1699078	1656805		
36	Grand Total Amount Sl (33+34+35)	294601538	287271779		
37	Amount Sanctioned by SAI	294601604			

Supplementary Agenda Item No. 4

Procurement for Sports Kits/Apparels for Upcoming Khelo India Games and NCOES:

Practice shows that professional sports clothing has good wicking ability and effect on performance level of an athlete. Formal and well-designed attire boosts the athlete confidence and improves mental and physical performance dramatically. Accordingly, Sports Authority of India (SAI) has provided all athletes associated with SAI with proper and standard kitting. The various areas where supply of kitting was made in the previous years are as mentioned as below:

- All athletes and officials in Khelo India Games (Youth and University).
- NCOES across India targeting excellence in sports, where in athletes are training across various sports disciplines.
- Khelo India accredited academies other than SAI, where young athletes are being trained. These academies either ask SAI to provide kitting or they can also utilize rate contract by placing order directly within an approved total contract value.

Based on the above and with the approval of the Governing Body in its 55th Meeting, a contract for procurement of Sports Kits/Apparels for 2021 edition of Khelo India Games, Khelo India Academies and NCOEs at a maximum cost of Rs. 16,79,54,328.81/- was executed with M/s. TK Sports Pvt. Ltd, effective from 08.12.21. The contract was valid for a period of 01 year i.e. from 08.12.21 to 07.12.22, extendable by one year under same terms and conditions.

Further, as per the directions of the Finance Committee in its 110th Meeting and the approval of the Hon'ble Minister MYAS – Chairman GB (ratified by the Governing Body in its 57th Meeting), the contract was extended by 01 years with M/s. TK Sports Pvt. Ltd at the same cost and terms and conditions to fulfill the requirement of Khelo India Youth Games 2022, Khelo India University Games 2022 and Khelo India Academies and NCOEs of SAI.

Further, the Finance Committee in its 110th meeting has directed to initiate the required tendering action for next cycle of procurement early so that the vendor is finalised before 07.12.2023. Accordingly, the requirement of Sports kit for next cycle of procurement i.e. for upcoming Khelo India Games and the requirement of NCOEs for the next year was obtained from user divisions i.e., Khelo India and Operations Divisions.

Based on the receipt of quantity from user divisions, a procurement of Sports Kits consisting of Generic kits and Sport specific playing kits is proposed to be initiated for all above domains and including 10% additional quantity to cater emergency requirement of events/games to be organized by SAI in short notice.

The approximate requirement as received from all the above-mentioned heads along with the estimated price of items derived from last purchase price of similar kits finalised by SAI for Khelo India games 2021 is enclosed as **Annexure-I**. The preliminary estimate for the procurement worked out to **Rs. 18,41,61,830/-** (Rupees Eighteen Crore Forty One Lakh Sixty One Thousand Eight Hundred and Thirty Only) [i.e., Approx. **Rs. 10,10,77,554** for Khelo India Division, approx. **Rs. 6,63,42,291** for NCOEs and **Rs. 1,67,41,985** towards 10% additional quantity for emergency requirement)

As per Para 5.1 *Purchase of Sports Kit* of the Delegation of Financial Power, the financial powers delegated to DG-SAI is Rs. 05.00Cr in each case. Since the estimated cost of the sports kits in the instant case is beyond the delegated financial powers of DG-SAI, the proposal is placed before the Finance Committee of SAI for its concurrence. The funding will be from Khelo India/SAI Block Grant, depending upon the beneficiaries.

Concurrence of the Finance Committee is solicited to Initiate the tendering process for the procurement of Generic and Sports Specific Kits for the upcoming Khelo India Games and NCOEs of SAI at an estimated cost of Rs. 18,41,61,830/-.

SN	Discipline	LPP per Unit (in Rs.)		KIYG	KIUG	Total Khelo India
1	Archery	1390.65	128	320	448	
2	Athletics	1273.61	960	1120	2080	
3	Badminton	1284.25	128	384	512	
4	Basketball	1273.61	384	384	768	
5	Boxing	1380.01	480	400	880	
6	Football	1177.85	640	640	1280	
7	Gymnastic	2660	416	0	416	
8	Hockey	1177.85	576	576	1152	
9	Judo	4252.81	448	224	672	
10	Kabaddi	1646.01	384	384	768	
11	Kho- Kho	1167.21	480	0	480	
12	Shooting	1380.01	256	640	896	
13	Swimming	1433.21	1088	912	2000	
14	Table Tennis	1326.81	128	320	448	
15	Tennis	1326.81	128	288	416	
16	Volleyball	1177.85	448	448	896	
17	Weightlifting	1646.01	520	320	840	
18	Wrestling	1646.01	672	480	1152	
19	Cycling	1934.35	216	0	216	
20	Handball	1276.8	0	0	0	
21	Kayaking & Canoeing	1915.2	496	0	496	
22	Powerlifting	2128			0	
23	Rowing	1276.8	512	576	1088	
	Total		9488	8416	17904	
<hr/>						
Sr No	Discipline	Price per Unit (in Rs.)				
1	Tshirt	521.69	23085	17855	40940	
2	Tracksuit	1663.03	11543	8928	20471	
3	Cap	222.44	11543	1900	13443	
4	Socks	82.79	10408	8076	18484	
5	Stockings	122.69	1216	1600	2816	
6	Kit bag	1285.79	5812	4838	10650	
	Total		63607	43197	106804	
	G. Total					

Sports Kit for NCOE & Others

Total Estimate Khelo India Division	NCOE & Others	Total Estimate NCOE & other	10% Addl. QTY Miscellaneous
623011.2	1000	1390650	145
2649108.8	2052	2613447.72	413
657536	128	164384	64
978132.48	0	0	77
1214408.8	1292	1782972.92	217
1507648	456	537099.6	174
1106560	548	1457680	96
1356883.2	2640	3109524	379
2857888.32	916	3895573.96	159
1264135.68	740	1218047.4	151
560260.8	80	93376.8	56
1236488.96	520	717605.2	142
2866420	260	372634.6	226
594410.88	360	477651.6	81
551952.96	0	0	42
1055353.6	328	386334.8	122
1382648.4	1100	1810611	194
1896203.52	800	1316808	195
417819.6	1020	1973037	124
0	240	306432	24
949939.2	520	995904	102
0	40	85120	4
1389158.4	460	587328	155
27115968.8	15500	25292222.6	
	NCOE & Others		10% Addl. QTY Miscellaneous
21357988.6	34472	17983697.68	7541
34043887.13	8618	14331992.54	2909
2990260.92	4309	958493.96	1775
1530290.36	25854	2140452.66	4434
345495.04	774	94962.06	359
13693663.5	4309	5540469.11	1496
73961585.55	78336	41050068.01	

Cost of Addl. QTY	Total QTY	Gross Estimate Amount (in Rs.)
201366	1593	2215027
526256	4545	5788812
82192	704	904112
97813	845	1075946
299738	2389	3297120
204475	1910	2249222
256424	1060	2820664
446641	4171	4913048
675346	1747	7428809
248218	1659	2730401
65364	616	719001
195409	1558	2149504
323905	2486	3562960
107206	889	1179269
55195	458	607148
144169	1346	1585857
319326	2134	3512585
321301	2147	3534313
239086	1360	2629942
30643	264	337075
194584	1118	2140428
8512	44	93632
197649	1703	2174135
5240819	36744	57649011
Cost of Addl. QTY	Total QTY	Amount (in Rs.)
3934168.628	82953	43275854.91
4837587.967	31998	53213467.64
394875.488	19527	4343630.368
367074.302	48772	4037817.322
44045.71	3949	484502.81
1923413.261	16455	21157545.87
11501165.36		126512818.9
		184161829.5

Supplementary Agenda Item No.5

Utilization of unutilized infrastructure of SAI Stadia

The proposal for Utilization of Un-utilized/under-utilized infrastructure of SAI Centers on Highest Fixed Revenue basis (H1) for a period of contract of 3 years extendable by 2 years for JNS and 5 years extendable by 2 years for other stadia was approved in the 56th Meeting of the Governing Body of SAI with the directions that proposal received will be examined by the Internal Finance Committee (IFC) of SAI and recommended to Director General for approval for awarding the contracts. The GB agenda and minutes are enclosed as **Annexure - I and II** respectively.

2. Subsequently, a Model Tender Template was circulated by Operations Division vide dated 26th December 2022. Based on the Model Tender Template and with the approval of Competent Authority, Request for Proposal (RFP) were invited for various facilities the following unutilized spaces in SAI Stadia:

SN	Name of Stadium and facility	Contract duration	Minimum base price (exclusive of taxes)
1	Open space in front of Gate no. 5 at Major Dhyan Chand National Stadium (MDCNS)- 12,300 sq. mt	5 years extendable by further 2 years	Rs. 37,50,000/- per quarter
	Open Space in between Gate No. 2 & 2A Bajri Ground at Major Dhyan Chand National Stadium (MDCNS)- 4476 sq. mt	5 years extendable by further 2 years	Rs. 5,00,000/- per quarter
2	Swimming Pool at Major Dhyan Chand National Stadium (MDCNS)-30,917 Sq. ft. approx. – 1 Swimming Pool 50 x 18 metre with 6 ft. to 10 ft. depth	5 years extendable by further 2 years	Rs. 10,000/- per month
	Swimming Pool at Dr. Shyama Prasad Mukherjee Swimming Pool Complex (Dr. SPMSPC)- 1 Main Swimming Pool Competition Pool- 50m*26m with 10 lanes with heating system (all weather), 1 Warm up Pool- 50m*15.4m with 06 lanes and 1 Diving Pool- 25m*25m	5 years extendable by further 2 years	Rs. 3,00,000/- per month

3. In response to the RFP, bids were received which have been summarized as under. Accordingly, detailed technical evaluation of the bids as per the Eligibility Criteria was carried

out by the duly constituted committees which recommended for opening of price bids of the qualified bidders as under:

SN	Name of Stadium and facility	Number of bids received	Number of bids qualified
1	Open Space in front of Gate no. 5 at MDCNS	6	5
	Open Space in between Gate No. 2 & 2A Bajri Ground at MDCNS	9	8
2	Swimming Pool at MDCNS	5	3
	Swimming Pool at Dr. SPMSPC	4	2

4. Based on recommendations of TBEC and with the approval of the Competent Authority, the prices bids of the qualified bidders were opened and the rates quotes by the technically qualified bidders were evaluated by the duly constituted committee. Further, considering the tender being resultant H1 bidder and in order to ensure higher income for SAI, the Price Bid Evaluation Committee (PBEC) recommended the following H1 bidders for operation, management and maintenance of the facilities as under:

No.	Name of the facility	H1 bidder	Estimated base price	Proposed bid as fee (exclusive of taxes)
1	Open Space in front of Gate no. 5 at MDCNS	M/s Big BBQ	Rs. 37,50,000/- per quarter	Rs. 1,32,33,000/- per quarter
	Open Space in between Gate No. 2 & 2A Bajri Ground at MDCNS	M/s Big BBQ	Rs. 5,00,000/- per quarter	Rs. 53,25,000/- per quarter
2	Swimming Pool at MDCNS	M/s Rama Krishna Enterprises	Rs. 10,000/- per month	Rs. 1,27,000/- per month
	*Swimming Pool at Dr. SPMSPC	M/s Deva Swimming Institute	Rs. 3,00,000/- per month	Rs. 3,25,000/- per month

*However, in the case of Swimming Pool at Dr. SPMSPC- during a meeting held on 07.07.2023 with Glenmark Aquatic Foundation (GAF) and coaches under the chairmanship of DG, SAI, it has been advised that, as there is no hostel at Dr SPMSPC, Delhi, the existing arrangements are not befitting the facilities provided to NCOE athletes. Since the decision to shift the NCOE is under process, it is understood that the usage of the pool will also change. Accordingly, a

technical committee was constituted which recommended that the tender be refloated with changed usage pattern including timing and responsibilities.

5. As per the procedure prescribed for Selection of Agency for Operating Facilities: "*After finalization of RFP, The Regional heads of different Regional Centers/Stadia Administrators may invite the RFP at their end and finalize the bid evaluation procedure from respective regional centers. However, the selection of service provider agencies/ coaches shall be done after prior approval of the competent authority. The Director General, SAI shall be the final approving authority for awarding work contracts. The proposal received will be examined by the Internal Finance Committee (IFC) of SAI and recommended to DG, SAI for approval.*"

6. The above proposals were concurred by the Finance Division of SAI and were placed before the Internal Finance Committee for concurrence before placing to DG, SAI for approval. The IFC has subsequently recommended the proposal for approval.

7. The status of other proposals which are in various stages of tendering is placed as **Annexure - III**.

8. Although the Governing Body has authorized DG SAI to take a decision on the recommendation of duly appointed IFC, the proposal is submitted for information of FC and guidance as it may deem appropriate before issue of letters of intent for:

- a. Appointing M/s Big BBQ as operator for operations, maintenance and management of:
 - i. Open space in front of Gate no. 5 at MDCNS at Rs. 1,32,33,000/- per quarter exclusive of taxes for a period of 5 years AND
 - ii. Open space in between Gate no. 2 and 2A Bajri Ground at MDCNS at Rs. 53,25,000/- per quarter exclusive of taxes for a period of 5 years as recommended by the IFC.
- b. Appointing M/s Rama Krishna Enterprises as operator to operate & maintain the Swimming Pool at Major Dhyan Chand National Stadium at Rs. 1,27,000/- per month exclusive of taxes for a period of 5 years extendable by 2 years AND
- c. Floating revised RFP for swimming facilities at Dr. SPMSPC on CPP portal as per recommendations of the technical committee.

The proposals are placed before the 115th Finance Committee of SAI for information and guidance as it may deem appropriate.

Agenda Item No. 14

Policy for Utilization of Un-Utilized Infrastructure of SAI Centres

Sports Authority of India has vast infrastructure spread across the country catering to the requirement of its athletes from grass root to elite level. However, some of the sports infrastructure at various SAI Centres, being unidentified sports discipline, is not being used optimally.

In order to put this infrastructure to best possible utilization, the facilities at SAI Stadia in Delhi and other centres across India were made available to National Sports Federations, their affiliated units and to others, without charges (**Annexure - XII**). It has, however, been noticed that the footfall has not increased to the desired level.

Some of the sports infrastructure such as Tennis Courts, Swimming Pools, Squash Courts, Cricket Grounds are not in use as these disciplines have not been identified in the concerned NCOEs/STCs. Therefore, this infrastructure can be better utilised by involving various stakeholders including Private Partners, NGOs, sports federations/ associations, coaches etc. If done so, the footfall will be increased to a greater scale resulting to increased to revenue generation to SAI but will also mean saving on account of their maintenance.

It is also submitted for information of Governing Body that in pursuance to the approval of Governing Body, during its 42nd meeting held on 17.12.2013, an Expression of Interest was floated by SAI on 25.03.2014 inviting proposals for running sports facilities / discipline in SAI Stadia Delhi under Community Connect Scheme on revenue generation basis, with the aim to make various stadium multidisciplinary by making them open to citizens for recreation to maintain better health.

However, it could not fructify due to following reasons:-

- i. The Notice inviting Proposal mentioned about coaching fees to be fixed with mutual agreement between agency and SAI which went against the approval of Chairman, SAI according to which SAI had to fix coaching fees for each discipline.
- ii. The process suffered from shortcomings such as non – submission of required documents (service tax, registration number, achievement testimonial, etc) by the agencies.
- iii. The revenue expected to be generated by the prospective bidders was less than the expenditure incurred by SAI for provision of services. Moreover, there remained possibility of clash of timings affecting the ongoing activities under Come and Play Scheme.

Therefore, a proposal was submitted before FC, in its 102nd meeting held on 04.02.2022, for concurrence to float an Expression of Interest (EOI) in this connection. This process will be undertaken through a transparent bidding and on pilot basis in limited centres. Further it is

also proposed that with National and State sports body, the arrangements can be finalised without EOI on mutually agreed terms.

The FC has concurred that the proposal received should be examined by a duly constituted committee and directed that while submitting the proposal for approval of GB, details of draft policy, including facilities proposed for this purpose, may also be put up alongside (**Annexure - XIII**).

It is further proposed that since SAI has Internal Finance Committee (IFC) in place, that may be designated for the purpose.

Accordingly, a draft policy has been prepared with the following salient features:

1. The selection of service provider agency/ coach for operating the playing fields shall be done by the respective regional centre/stadia administrator by an open tender process through QCBS (Quality cum cost based selection) mode. The model RFP in this regard will be prepared by SAI HO and shared with regional heads to float the RFP at their end.
2. The coaching fee structure will be divided into general fee and concessional special fee. The general fee shall be applicable for all trainees except for trainees inducted under concessional special fee. The criteria and the concession value for special category concessional fee for certain percentage of athletes shall be finalized by SAI.
3. The slotting/booking for the Come and Play trainees shall be done in accordance with the pre-scheduled slots, during the time the service provider is not utilizing the facility. The revenue generated from the Come and play activity shall be 100% retained by SAI and shall not be shared with the Service provider agency/coach.
4. A differential revenue sharing model may be used as per the nature of the playing field. In all cases, a monthly fixed fee shall be applicable. The different revenue model shall include:
 - a) **Revenue sharing model (60:40)** -The revenue will be shared in the ratio of 60:40 under which 60% of the revenue will be retained by SAI and 40% will be transferred to service provider after deduction of taxes. In this case, a monthly fixed fee shall also be applicable and SAI shall be responsible for overall operation and maintenance of the playing fields. This model shall be applicable in case of playing field requiring high maintenance i.e. those playing fields where AMC/CAMC has already been done/ is required to be done by SAI. For e.g. Swimming Pool, Shooting etc.
 - b) **Revenue sharing model (50:50)**- The revenue will be shared in the ratio of 50:50 under which 50% of the revenue will be retained by SAI and 50% will be transferred to service provider after deduction of taxes. In this case, a monthly fixed fee shall also be applicable and SAI shall be responsible for overall operation and maintenance of the playing fields. This model shall be applicable in case of playing field not requiring high maintenance i.e.

those playing fields where AMC/CAMC is not be required to be done by SAI. For e.g. Grassy Court/Cemented Courts etc.

- c) **Revenue Sharing model (only on monthly fixed fee basis)** - A pre agreed consolidated monthly fixed fee will be transferred by service provider to SAI. The service provider shall be responsible for overall operation and maintenance of the playing fields. This model shall be applicable in general in case of those playing fields which are not utilized by SAI for any sporting activity (sports infrastructure in unidentified sports disciplines at SAI Centres) and are desired to be outsourced for imparting coaching by service provider agency/coach. For e.g. Lawn Tennis, Squash etc.

The detailed draft policy is kept at **Annexure - XIV**.

Approval of Governing Body is solicited w.r.t. policy for utilisation of unutilised/underutilised infrastructure of SAI centres

Extract from the Minutes of 56th GB Meeting

Annex-II

It is explained to the Committee that the turf is 6½ year old but due to extensive use it has worn out. Accordingly, the Coaches has recommended for its replacement, though the normal life of the turf is 7 years. Further, Regional Centre, Bangalore is the Training Centre for Indian National men and women team so it is imperative that they practice on the best possible facility. It was advised that the possibility to reuse such synthetic surfaces at the school/colleges may be explored and in case a proposal is found feasible, DG-SAI is authorised to take such decisions.

Supplementary Agenda Item No. 2

Proposal for Installation of Synthetic Athletic Track (Mondo Track WS) along with associated works at NS NIS Patiala

The proposal was approved in principle. However, Chairman desired that the utility of Mondo Track with respect to preparation for Paris and Los Angeles be ascertained before placing the order.

Supplementary Agenda Item No. 3

Replacement of Synthetic Athletic Track with allied works at SAI NS NIS Patiala

The proposal was approved. However, Secretary (Sports) desired that in view of the approval of a number of infrastructure proposal, projects may be prioritised as per funds availability & urgency and put up to Chairman for approval. The Chairman further advised that a detailed presentation be made with regard to ancillary work proposed at NS NIS, Patiala so that a comprehensive long term view can be taken.

Supplementary Agenda Item No. 4

Relying of Synthetic Athletic Track with allied works at SAI NCOE Sonepat

The proposal was approved. However, Secretary (Sports) desired that in view of the approval of a number of infrastructure proposal, projects may be prioritised as per funds availability & urgency and put up to Chairman for approval.

Supplementary Agenda Item No. 5

Construction of Multi-Purpose Hall at SAI NCOE Bhopal

The proposal was approved. However, Secretary (Sports) desired that in view of the approval of a number of infrastructure proposal, projects may be prioritised as per funds availability & urgency and put up to Chairman for approval. The Chairman desired that feasibility to execute the works independently by SAI may be explored and report may be submitted on file.

Supplementary Agenda Item No. 6

Proposal for Utilization of Under-Utilized Infrastructure and spaces of SAI Stadia

The proposal was approved. It was decided that the agency should be selected after following the due process and model of highest fixed revenue should be adopted. The period of contract will be 3-5 years, further, extendable by 2 years. The proposal received will be examined by the Internal Finance Committee (IFC) of SAI and recommended to Director General for approval for awarding work contracts. Revenue will be collected by agency from the users.

Supplementary Agenda Item No. 7

Rahit

FOP Facilities**ANNEXURE - III**

S.N.	Name of facility	Estimated Base price	Number of times tendered	Present Status	Remarks
1	Cricket Courts at: i. MDCNS: a) Lush green cricket field with area of 11600Sqm. b) 8 Standard size Cemented pitch covered with practice net. c) 4 Turf pitches along with centre pitch d) One pavilion under renovation e) One Store room f) Washroom facilities f) High mast lightning system g) Score Board h) i) Electric Roller to maintain the pitch ii. JNS: a) Built Up Area:26,606 SqFt (55mx45m) b) Number of pitch: 1 Center, 02(Cemented) & 02 Turf c) Dimension of each pitch: 25x4m d) Toilet Facilities Common e) Parking: Common iii. IGSC: a) Ground has 3 Cemented Pitches for practice. b) Tentative area of Ground is 200 Sqm	Rs. 80,000/- PM	1	Re-estimation of base price and changes in RFP being made. Will be retendered.	NA

S.N.	Name of facility	Estimated Base price	Number of times tendered	Present Status	Remarks
2	Swimming Pool at: MDCNS -30,197 Sq. Mt(50m*18m) SPMSPC - 50m*26m (Main Pool) 50m*15.4m (Warmup Pool) 25m (Diving Pool)	Rs. 10,000/- PM	1	Recommended by IFC as proposed to award at MDCNS and retender for Dr. SPMSPC	
3	Lawn Tennis Courts at: MDCNS - 3525 Sq. Mt. JNS - 23.77M*10.97 Mt. IGSC - 36m*18 Mt.	Rs. 70,000/- PM	3	Retendering- single bid	
4	Indoor Sports Facility - I (Shooting) at MDCNS – 10,000 Sq. Ft.	Rs. 30,000/- PM	2	To be retendered on approval	No bids received so far
5	Indoor Sports Facility - II (Chess) – at MDCNS - 585 Sq. Mt.	Rs. 30,000/- PM	3	Retendering- single bid	
6	Outdoor Sports Facility (Kabaddi Grounds) at MDCNS - 600 Sq.Ft.	Rs. 20,000/- PM	5	Technical evaluation stage	Likely to be retendered as no qualified bidders due to non-recognition of NSF
7	Hockey Ground at MDCNS: FOP - I - 110*70m FOP - II - 110*70m	Rs. 30,000/- PM	7	Retendered and extended on 04.08.2023	No bids received so far on all 6 times
8	Badminton (02) at JNS	Rs. 15,000/- PM	7		
9	Table Tennis at JNS	Rs. 30,000/- PM	3	Retendered	No bids received so far
10	Volleyball Ground (04) at JNS	Rs. 70,000/- PM	3	Retendered	No bids received so far
11	Archery at JNS	Rs. 40,000/- PM	3	Retendered	No bids received so far
12	Football Ground and color field at JNS	Rs. 30,000/- PM	2	Retendered	
		Rs. 1,35,000/- PM & Rs. 45,000/- PM	2		
13	Throwing area at JNS	Rs. 75,000/- PM	1	Tender Floated	
14	Shooting at JNS	---	--	Base price estimation	
15	Warm-up area at JNS	---	--	Base price estimation	

16	Cue Sports at Dr. SPMSPC- 975.15 Sq. Mt. Snooker Table - 08 Nos. Pool Tables - 02 Nos	Rs. 10,000/- PM	3	Retendered	No bids received so far
17	Skating rink at Dr. SPMSPC- 750 Sq. Mtr.	Rs. 8,000/- PM	3	Retendered	No bids received so far
18	Shooting at Dr. SPMSPC Total Area: - 1525 Sq. Mtr.	Rs. 25,000/- PM	2	Revision of base price	No bids received so far
19	Indoor sports facilities (2 halls) at IGSC	Rs. 50000/- PM	1	RFP prepared and at approval stage	

NON-FOP Facilities

S.N.	Name of facility	Estimated Base price	Number of times tendered	Present Status	Remarks
1	Open Space in Front Gate No. 5- 12300 Sq. Mt.	Rs. 37,50,000/- Per Quarter	1	Recommended by IFC for award; under submission to FC	
2	Open space in between Gate No. 2 & 2A Bajri Ground - 4476 Sq. Mt.	Rs.5,00,000/- Per Quarter	1		
3	Canteen (02 Rooms) - 1301 Sq. ft.	Rs.50,000/- PM	1	IFC to convene	
4	Auditorium	Rs. 5 Cr Per annum	2	PBEC recommended. IFC to convene	
5	Open Space Gate no 2 & 14	Gate no 2 – Rs. 2.5 Cr per annum Gate no 14- Rs. 2 Cr per annum	1	Tendered	
6	Hostel	-	0	Base price estimation	

7	Cycling Velodrome at IGSC - 29210 Sqm	Rs. 5,00,000/- PM	0	RFP put up for vetting
8	Lake at IGSC - 4.5 Acre Lake area along with 2500 Sq m land	Rs. 2,00,000/- PM	1	Technical evaluation stage
9	First floor of East Plaza for Cafeteria, North Plaza, South Plaza and West Plaza at IGSC -8905 sqm	Rs. 8,25,000/- PM	1	Price bid evaluation stage
10	Conference hall at IGSC -One hall with one conference table	Rs. 1,00,000/- PM	1	Retendered No bids received
11	Auditorium at IGSC – 100-seater capacity	Rs. 1,00,000/- PM	1	Retendered No bids received